

# Aggregate System Impact Study SPP-2006-AG1-ASIS For Transmission Service Requested By Aggregate Transmission Customers

SPP Engineering, Tariff Studies

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

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Page 1 of 250

# **Table of Contents**

1. EXECUTIVE SUMMARY	3
2. INTRODUCTION	3
3. STUDY METHODOLOGY	4
A. DESCRIPTION	4
B. MODEL DEVELOPMENT	5
C. Transfer Analysis	5
D. REDISPATCH EVALUATION	6
4. STUDY RESULTS	6
A. STUDY ANALYSIS RESULTS	6
5. CONCLUSION	7
APPENDIX	

# 1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), approximately 5915 MW of long-term transmission service requests have been studied in aggregate. The principal objective of the study is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability. Facility upgrade costs are allocated to all requests positively impacting any individual upgraded facility on a prorated basis. Further, Attachment Z provides for facility upgrade cost recovery by stating that "[a]ny charges paid by a customer in excess of the transmission access charges in compensation for the revenue requirements for allocated facility upgrade(s) shall be recovered by such customer from future transmission service revenues until the customer has been fully compensated."

The total facilities upgrade cost determined by the Aggregate System Impact Study is approximately \$ 640 Million. Final cost allocation and potential base plan funding will be determined during the Aggregate Facility Study.

# 2. Introduction

On January 21, 2005, the Federal Energy Regulatory Commission accepted Southwest Power Pool's proposed aggregate transmission study procedures in Docket ER05-109 to become effective February 1, 2005. The proposed cost allocation and cost recovery provisions were accepted for filing and suspended to become effective the earlier of five months from the requested effective date (July 1, 2005) or a further order of the Commission in the proceeding subject to refund. Since that time, the cost allocation and cost recovery provisions have been accepted with modification. The following hyperlink can be used to access the SPP Regulatory/FERC webpage: (http://www.spp.org/Objects/FERC filings.cfm). The hyperlinks under the heading ER05-109 (Attach Z Filing) open Southwest Power Pool's October 29, 2004 filing containing Attachment Z to the SPP OATT and the Commission's January 21, 2005 Order. In compliance with this Order, the third open season commenced on October 1, 2005. All requests for long-term transmission service received prior to February 1, 2006 with a signed study agreement were then included in the third Aggregate Transmission Service Study (ATSS). This report signals the completion of the first stage of the ATSS, the Aggregate System Impact Study (ASIS). In order to enter the second stage of the ATSS, the Aggregate Facility Study (AFS), another agreement must be executed by each customer. The Aggregate Facility Study Agreement (AFSA) has been tendered to the customer contact given on each OASIS request, and a fifteen-day window has been opened to allow for agreement execution.

Approximately 5915 MW of long-term transmission service has been studied and over \$ 640 Million in transmission upgrades is being proposed. The results of the ASIS are detailed in <u>Tables 1</u> through 3. A highly tangible benefit of studying transmission requests aggregately under the SPP OATT Attachment Z is the sharing of costs among customers using the same facility. The detailed results show individual upgrade costs by study as well as potential base plan allowances as determined by Attachments J and Z. The following hyperlink can be used to access the SPP OATT: (<a href="http://www.spp.org/Publications/SPP\_Tariff.pdf">http://www.spp.org/Publications/SPP\_Tariff.pdf</a>). The individual

upgrade costs by study are provided as a range due to the uncertainty of final customer participation. The lower cost is based upon the allocation of costs to all customers in the ASIS who positively impact facilities subsequently overloaded by the ASIS. The higher cost is determined by allocating the total cost of each upgrade required by an individual study to that study. In order to understand the extent to which base plan upgrades may be applied to both point-to-point and network transmission services, it is necessary to highlight the definition of Designated Resource. Per Section 1.9a of the SPP OATT, a Designated Resource is "[a]ny designated generation resource owned, purchased or leased by a Transmission Customer to serve load in the SPP Region. Designated Resources do not include any resource, or any portion thereof, that is committed for sale to third parties or otherwise cannot be called upon to meet the Transmission Customer's load on a non-interruptible basis." Therefore, not only network service, but also point-to-point service has potential for base plan funding if the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J are met.

According to Attachment Z Section VI.A, Point-to-Point customers pay the higher of the monthly transmission access charge (base rate) or the monthly revenue requirement associated with the facility upgrades. Network Integration Service customers pay the total monthly transmission access charges, the monthly revenue requirement associated with the facility upgrades, and any direct assignment charges. Customers paying the above charges may receive credits in accordance with Section VI.B.

In some instances due to lead times for engineering and construction, Network Upgrades may not be available when required to accommodate a request for Transmission Service. When this occurs, the ATC with available Network Upgrades will be less than the capacity requested during either a portion of or all of the requested reservation period. As a result, the lowest seasonal allocated ATC within the requested reservation period will be offered to the Transmission Customer on an applicable annual basis as listed in <u>Table 1</u>. The ATC may be limited by transmission owner planned projects and not only by customer assigned upgrades.

## 3. Study Methodology

### A. Description

The system impact analysis was conducted to determine the steady-state impact of the requested service on the SPP and first tier Non - SPP control area systems. The steady-state analysis was done to ensure current SPP Criteria and NERC Reliability Standards requirements are fulfilled. The Southwest Power Pool conforms to the NERC Reliability Standards, which provide the strictest requirements, related to voltage violations and thermal overloads during normal conditions and during a contingency. It requires that all facilities be within normal operating ratings for normal system conditions and within emergency ratings after a contingency. Normal operating ratings and emergency operating ratings monitored are Rate A and B in the SPP MDWG models, respectively. The upper bound and lower bound of the normal voltage range monitored is 105% and 95%. The upper bound and lower bound of the emergency voltage range monitored is 110% and 90%. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations.

The contingency set includes all SPP control area branches and ties 69kV and above, first tier Non - SPP control area branches and ties 115 kV and above, any defined contingencies for these control areas, and generation unit outages for the control areas with SPP reserve share program redispatch. The monitor elements include all SPP control area branches, ties, and buses 69 kV and above, and all first tier Non – SPP control area branches and ties 69 kV and above. Voltage monitoring was performed for SPP control area buses 69 kV and above.

A 3 % transfer distribution factor (TDF) cutoff was applied to all SPP control area facilities. For first tier Non – SPP control area facilities, a 3 % TDF cutoff was applied to AECI, AMRN, and ENTR and a 2 % TDF cutoff was applied to MEC, NPPD, and OPPD. For voltage monitoring, a 0.02 per unit change in voltage must occur due to the transfer or modeling upgrades to be considered a valid limit to the transfer.

#### **B.** Model Development

SPP used fifteen seasonal models to study the aggregate transfers of 5915 MW over a variety of requested service periods. The SPP MDWG 2006 Series Cases Update 1 2006 Summer Peak (06SP), 2006 Summer Shoulder (06SH), 2006 Fall Peak (06FA), 2006/07 Winter Peak (06WP), 2007 April Minimum (07AP), 2007 Spring Peak (07G), 2007 Summer Peak (07SP), 2007 Summer Shoulder (07SH), 2007 Fall Peak (07FA), 2007/08 Winter Peak (07WP), 2008 Summer Peak (08SP), 2008/09 Winter Peak (08WP), 2011 Summer Peak (11SP), 2011/12 Winter Peak (11WP), and 2016 Summer Peak (16SP) were used to study the impact of the requested service on the transmission system. The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the most current modeling information. Four groups of requests were developed from the aggregate of 5915 MW in order to minimize counterflows among requested service. Each request was included in two to four groups depending on the requested path. From the fifteen seasonal models, four system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT net exporting and SPS exporting to outside zones and importing from the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2006 Series Cases flowing in an East to West direction with ERCOT importing and SPS importing from outside zones and exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a South to North direction with ERCOT net exporting and SPS exporting to outside zones and importing from the Lamar HVDC Tie. Scenario 4 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a North to South direction with ERCOT importing and SPS importing from outside zones and importing from the Lamar HVDC Tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

#### C. Transfer Analysis

Using the selected cases both with and without the requested transfers modeled, the PSS/E Activity ACCC was run on the cases and compared to determine the facility overloads caused or

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

impacted by the transfer. Transfer distribution factor cutoffs (SPP and 1st-Tier) and voltage threshold (0.02 change below 0.90 pu) were applied to determine the impacted facilities. The PSS/E options chosen to conduct the analysis can be found in Appendix A.

#### **D.** Redispatch Evaluation

During any period when SPP determines that a transmission constraint exists on the Transmission System, and such constraint may impair the reliability of the Transmission System, SPP will take whatever actions, that are reasonably necessary to maintain the reliability of the Transmission System. To the extent SPP determines that the reliability of the Transmission System can be maintained by redispatching resources, SPP will evaluate the redispatch of units to provide service prior to completion of any assigned network upgrades. Any redispatch may not unduly discriminate between the Transmission Owners' use of the Transmission System on behalf of their Native Load Customers and any Transmission Customer's use of the Transmission System to serve its designated load. Redispatch was evaluated to provide only interim service during the time frame prior to completion of any assigned network upgrades.

SPP determined potential relief pairs to relieve the incremental MW impact on limiting facilities identified. Using the selected cases where the limiting facilities were identified, potential incremental and decremental units were identified by determining the generation amount available for increasing and decreasing from the units generation amount, maximum generation amount, and minimum generation amount. If the incremental or decremental amount was greater than 10 MW, the unit was considered as a potential incremental or decremental unit. Generation shift factors were calculated for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). From the generation shift factors for the incremental and decremental units, top 100 relief pairs with a greater than 3% TDF were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. The potential relief pairs were not evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems.

# 4. Study Results

#### A. Study Analysis Results

<u>Tables 1</u> through <u>5</u> contain the steady-state analysis results of the ASIS. <u>Table 1</u> identifies the participating long-term transmission service requests included in the ASIS. This table provides the cost range, potential base plan funding allowance, point-to-point base rate charge, deferral period for each request, and minimum annual allocated ATC without upgrades and season of first impact. <u>Table 2</u> provides additional details for each request including all facility upgrades required and allocated costs for each upgrade. These costs are provided in a range derived from the two possibilities that all requests will execute service agreements or that only the detailed request will execute a service agreement. <u>Table 3</u> lists all upgrade requirements with associated solutions needed to provide transmission service for the ASIS, the Commercial Operation Date (COD), the End of Construction (EOC), and Estimated E & C cost. <u>Table 4</u> lists identified Third-Party constrained facilities. <u>Table 5</u> identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of service.

Potential base plan funding allowable is contingent upon meeting each of the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J and upon SPP Board of Directors approval. The lesser of the planned maximum net dependable capacity or the requested capacity is multiplied by \$180,000 to determine potential base plan funding allowable. If this additional capacity exceeds the 125% resource to load criteria for a given year, the value of capacity not exceeding 125% of load will set the determinant for base plan funding consideration. For example, a customer submits a request to add a new resource of 50MW in 2010 that meets all other conditions for base plan funding. The Customer's load forecast for 2010 is 500MW with forecasted firm resources of 600MW. The additional 50MW of resources increases the resource to load ratio from 120% to 130%. Therefore the portion of the 50MW request not exceeding 125% resource to load, or 25MW, would be multiplied by \$180,000/MW resulting in \$4,500,000 of potential base plan funding allowable. Any allocated customer costs in excess of base plan funding will be assigned to the customer.

The 125% resource to load determination is performed on a per request basis and is not based on a total of designated resource requests per Customer. A footnote will provide the maximum resource designation allowable for base plan funding consideration per Customer basis per year.

Base plan funding verification requires that each Transmission Customer with potential for base plan funding provide SPP power supply contracts or agreements verifying that the firm capacity of the requested designated resource is committed for a minimum five year duration.

The Commercial Operation Date (COD) is the earliest date the upgrade is required to alleviate a constraint considering all requests. End of Construction (EOC) is the estimated date the upgrade will be completed and in service. The Total Engineering and Construction Cost (E & C) is the upgrade solution cost as determined by the transmission owner. The Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all customers in the ASIS who positively impact facilities by at least 3% subsequently overloaded by the ASIS. The Minimum ATC is the portion of the requested capacity that can be accommodated without upgrading facilities. Annual ATC allocated to the Transmission Customer is determined by the least amount of allocated seasonal ATC within each year of a reservation period.

The AFS will utilize the allocated customer E & C cost in a present worth analysis to determine the levelized revenue requirement of each facility upgrade over the term of the reservation. The upgrade levelized revenue requirements include interest, depreciation, and carrying costs. Therefore, the levelized revenue requirements for facilities upgrades will be higher than the estimated E & C costs included in this study.

## 5. Conclusion

The results of the ASIS show that limiting constraints exist in many areas of the regional transmission system. Due to these constraints, transmission service cannot be granted unless noted in <u>Table 2</u>. Any solutions, upgrades, and costs provided in the ASIS are planning

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

estimates and will be refined in the AFS. The final ATC and upgrades required may vary from these results due to unknown facility upgrades caused by assigned upgrades, proposed transmission plans that may be identified during the facility study process, and withdrawal of participating long-term transmission service requests included in the ASIS.

Execution of an AFSA is now required to maintain participation in the ATSS. The final ATC, upgrade solutions, cost assignments, deferral periods, renewal right evaluation, and available redispatch and curtailment options will be determined upon the completion of the AFS.

# **Appendix**

#### PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

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D.	$^{\prime}$	J.	ட	$\smile_I$	7	O.	טע	١.

Solutions - Fixed slo	pe decoupled Ne	wton-Raphson	solution (	FDNS)
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- 1. Tap adjustment Stepping
- 2. Area interchange control Tie lines and load
- 3. Var limits Apply immediately
- 4. Solution options  $\underline{X}$  Phase shift adjustment
  - \_ Flat start
  - \_ Lock DC taps
  - Lock switched shunts

#### ACCC CASES:

Solutions – AC contingency checking (ACCC)

- 1. MW mismatch tolerance -0.5
- 2. Contingency case rating Rate B
- 3. Percent of rating -100
- 4. Output code Summary
- 5. Min flow change in overload report 5 mw
- 6. Excld cases w/ no overloads form report YES
- 7. Exclude interfaces from report NO
- 8. Perform voltage limit check YES
- 9. Elements in available capacity table 60000
- 10. Cutoff threshold for available capacity table 99999.0
- 11. Min. contng. case Vltg chng for report -0.02
- 12. Sorted output None

#### Newton Solution:

- 1. Tap adjustment Stepping
- 2. Area interchange control Tie lines and load
- 3. Var limits Apply immediately
- 4. Solution options X Phase shift adjustment
  - \_ Flat start
  - \_ Lock DC taps
  - Lock switched shunts

<u>Table 1</u> - Long-Term Transmission Service Requests Included the Aggregate System Impact Study

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Mimimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period	Maximum Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Engineering and Construction Cost of Upgrades Allocated to Customer	Total Engineering and Construction Cost of Upgrades Assigned to Customer
AEPM	AG1-2006-003D	1023232	CSWS	CSWS	150	1/1/2007	1/1/2008	0.000.0 = 0.00	0.00 - 0.00	138		\$ -	\$ -	\$ -	\$ -
AEPM	AG1-2006-005D	1019916	CSWS	CSWS	168	7/1/2007	7/1/2012	12/1/2010	12/1/2015	0	11SP	\$ -	\$ -	\$ 10,330,388	\$ 280,604,715
AEPM	AG1-2006-006D	1019914	CSWS	CSWS	168	7/1/2008	7/1/2013	12/1/2010	12/1/2015	0	11SP	\$ 30,240,000	\$ -	\$ 10,330,388	\$ 280,604,715
AEPM	AG1-2006-007D	1023236	WFEC	CSWS	80	1/1/2007	1/1/2027	12/1/2010	12/1/2030		07SP	\$ 1,440,000	\$ -	\$ 15,110,238	\$ 294,053,069
AEPM	AG1-2006-067	1034259	SPS	CSWS	80	9/1/2007	9/1/2028	12/1/2010	12/1/2031		07SP	\$ 1,440,000	\$ -	\$ 8,373,888	\$ 282,741,183
CRGL	AG1-2006-015	1022463	WR	ERCOTN	100	2/1/2007	2/1/2008	12/1/2010	12/1/2011		06WP	\$ -	\$ 1,260,000	\$ 6,531,426	\$ 287,640,243
CRGL	AG1-2006-016	1022470	OPPD	ERCOTN	107	2/1/2008	2/1/2010	12/1/2010	11/30/2012		08SP	\$ - \$ -	\$ 2,696,400	\$ 5,556,438	\$ 277,983,069
CRGL CRGL	AG1-2006-017 AG1-2006-018	1022468 1022466	WR OKGE	ERCOTN ERCOTN	100 107	2/1/2008 2/1/2007	2/1/2010 2/1/2008	12/1/2010 12/1/2010	11/30/2012 12/1/2011		08SP 06WP	\$ - \$ -	\$ 2,520,000 \$ 1.348,200	\$ 6,112,351 \$ 5.058,500	\$ 286,390,243 \$ 277,983,069
CRGL	AG1-2006-018	1022466	OKGE	ERCOTN	107	2/1/2007	2/1/2008	12/1/2010	12/1/2011		06WP	\$ -	\$ 1,346,200	\$ 5,056,500	\$ 277,983,069
CRGL	AG1-2006-019	1022471	OKGE	ERCOTN	107	2/1/2008	2/1/2010	12/1/2010	11/30/2012		08SP	\$ -	\$ 2.696.400	\$ 5,073,664	\$ 278,033,069
CRGL	AG1-2006-019	1022472	OKGE	ERCOTN	100	2/1/2008	2/1/2010	12/1/2010	11/30/2012		08SP	\$ -	\$ 2.520.000	\$ 4,741,747	\$ 278,033,069
CRGL	AG1-2006-020	1022465	KCPL	ERCOTN	107	2/1/2007	2/1/2008	12/1/2010	12/1/2011	0	06WP	\$ -	\$ 1,348,200	\$ 5,399,638	\$ 278,083,069
CRGL	AG1-2006-021	1022469	KCPL	ERCOTN	107	2/1/2008	2/1/2010	12/1/2010	11/30/2012	0	08SP	\$ -	\$ 2,696,400	\$ 5,409,841	\$ 278,083,069
CRGL	AG1-2006-022	1024418	WFEC	ERCOTN	50		2/1/2010	12/1/2010	11/30/2013	0	06WP	\$ -	\$ 1,890,000	\$ 7,863,132	\$ 275,623,069
CRGL	AG1-2006-023	1024415	WPEK	ERCOTN	57		2/1/2010	12/1/2010	11/30/2013		06WP	\$ -	Ψ 2,101,000	\$ 3,490,120	\$ 280,876,183
CRGL	AG1-2006-024	1024414	OPPD	ERCOTN	100		2/1/2010	12/1/2010	11/30/2013		06WP	\$ -	\$ 3,780,000	\$ 5,191,601	\$ 277,983,069
CRGL	AG1-2006-025	1024424	AMRN	ERCOTN	100	2/1/2007	2/1/2010	12/1/2010	11/30/2013		06WP	\$ -	\$ 3,780,000	\$ 5,054,105	\$ 278,083,069
EDE	AG1-2006-027 AG1-2006-027	1032183 1032184	EES EES	EDE EDE	50 50	6/1/2010 6/1/2010	6/1/2040 6/1/2040	6/1/2010 6/1/2010	6/1/2040 6/1/2040		11SP 11SP	\$ - \$ -	\$ - \$ -	\$ 13,492 \$ 13.492	\$ 55,000 \$ 55,000
EDE EDE	AG1-2006-027 AG1-2006-028	1032184	SPS	EDE	50		12/1/2027	12/1/2010	12/1/2030	-	08SP	\$ -	\$ -	\$ 3,339,443	\$ 281,781,183
EDE	AG1-2006-028	1036798	SPS	EDE	50		12/1/2027	12/1/2010	12/1/2030		08SP	\$ -	φ - •	\$ 3,339,443	\$ 281,781,183
GSEC	AG1-2006-020	1034404	SECI	SPS	400			2/1/2010	2/1/2041		11SP	\$ 45.540.000 <sup>1</sup>	\$ -	\$ 52.556.826	\$ 305,134,862
GSEC	AG1-2006-095	1034476	CSWS	CSWS	10		8/1/2036	12/1/2010	11/30/2040		06SP	\$ -	\$ -	\$ 4,497,563	\$ 340,956,981
GSEC	AG1-2006-096	1034489	CSWS	CSWS	10		8/1/2036	12/1/2010	11/30/2040		06SP	\$ -	\$ -	\$ 4,497,563	\$ 340,956,981
INDP	AG1-2006-051	1033791	KCPL	INDN	50	6/1/2010	6/1/2040	12/1/2010	11/30/2040	0	11SP	\$ -	\$ 15,840,000	\$ 802,905	\$ 8,950,000
KCPS	AG1-2006-009	979750	KCPL	KCPL	168	6/1/2009		12/1/2010	12/1/2030		11SP	\$ 30,240,000	\$ -	\$ 3,274,521	\$ 9,600,000
KCPS	AG1-2006-012	1035259	WPEK	KCPL	101	6/1/2006	6/1/2037	12/1/2010	11/30/2041		06SP	\$ 1,260,000 <sup>2</sup>	\$ 33,063,360	\$ 11,722,821	\$ 287,970,683
KCPS	AG1-2006-070	1034307	KCPL	EES	103	6/1/2006	6/1/2007	10/1/2007	9/30/2008		06SP	\$ -	\$ 1,050,600	\$ 139,723	\$ 1,655,500
KCPS	AG1-2006-071	1034311	KCPL	WR	52		6/1/2007	12/1/2010	12/1/2011		06SP	\$ -	\$ 811,200	\$ 7,659,238	\$ 357,646,068
KCPS KEPC	AG1-2006-072 AG1-2006-066	1034312 1034313	KCPL KCPL	WR WR	25 30		6/1/2007 6/1/2031	12/1/2010 6/1/2011	12/1/2011 6/1/2031		06SP 11SP	\$ - \$ 5.400.000	\$ 390,000	\$ 4,422,353 \$ 1.112.646	\$ 315,031,569 \$ 299.695,896
KEPC	AG1-2006-066 AG1-2006-098	1034313	KCPL	WR	50		6/1/2031	12/1/2010	12/1/2015		08SP	\$ 9,000,000	\$ -	\$ 1,112,646 \$ 1,620,169	\$ 299,695,896 \$ 297,501,396
KEPC	AG1-2006-099	1034424		WPEK	45		6/1/2012	6/1/2011	5/31/2016		07FA	\$ 8.100,000 <sup>3</sup>	\$ -	\$ 4.972.573	\$ 346,696,068
KEPC	AG1-2006-100	1034420		WPEK	45			6/1/2011	5/31/2016		07WP	\$ 8,100,000 <sup>3</sup>	\$ -	\$ 9,750,144	\$ 355,210,038
KEPC	AG1-2006-101	1034407	WR	WPEK	45		6/1/2012	6/1/2011	5/31/2016		07SP	\$ 8,100,000 <sup>3</sup>	\$ -	\$ 4,144,449	\$ 342,210,568
KEPC	AG1-2006-102	1034363	WR	WR	62	6/1/2006	6/1/2011	6/1/2011	5/31/2016	0	06SP	\$ 11,160,000	\$ -	\$ 11,253,921	\$ 378,778,321
KEPC	AG1-2006-103	1034394	WR	EDE	6	6/1/2006	6/1/2011	6/1/2011	5/31/2016	0	06SP	\$ 1,080,000	\$ -	\$ 559,062	\$ 294,693,656
KMEA	AG1-2006-068	1034247	GRDA	WR	1	5/1/2010	5/1/2026	12/1/2010	12/1/2026		06SP	\$ 180,000	\$ 249,600	\$ 222,228	\$ 318,908,033
KMEA	AG1-2006-075	1037590	GRDA	WR	1	6/1/2006	6/1/2026	12/1/2010	12/1/2030		06SP	\$ 180,000	\$ 312,000	\$ 395,443	\$ 349,056,981
KMEA	AG1-2006-076	1037591	GRDA	WPEK	1	6/1/2006	6/1/2026	12/1/2010	12/1/2030		06SP	\$ 180,000	\$ 234,720	\$ 331,095	\$ 326,226,620
KMEA KPP	AG1-2006-089 AG1-2006-041	1034542 1032990	KCPL WR	KCPL WR	136 127	6/1/2006 6/1/2006	6/1/2016 6/1/2016	3/1/2008 12/1/2010	3/1/2018 11/30/2020		16SP 06SH	\$ 8,460,000 \$ 31.860.000 <sup>4</sup>	\$ -	\$ 3,775,420 \$ 4.848.291	\$ 13,890,000 \$ 161.032.639
KPP	AG1-2006-041 AG1-2006-042	1032990	WPEK	WPEK	80		6/1/2016	6/1/2011	5/31/2021		07FA	\$ 31,860,000 <sup>5</sup>	φ - \$ -	\$ 4,848,291 \$ 2,713,053	\$ 161,032,639 \$ 364,813,321
KPP	AG1-2006-042 AG1-2006-043	1032991	WR	WPEK	25			12/1/2010	11/30/2020		07FA	\$ 14,400,000 <sup>5</sup>	\$ -	\$ 2,713,053	\$ 358.178.321
KPP	AG1-2006-044	1032993	WPEK	WR	25		6/1/2016	12/1/2010	11/30/2020		06SP	\$ -	\$ -	\$ 5,038,953	\$ 326,964,409
KPP	AG1-2006-045	1033000	SPS	WR	25	1/1/2008	1/1/2016	12/1/2010	12/1/2018		07FA	\$ -	\$ -	\$ 5,085,657	\$ 325,220,822
KPP	AG1-2006-046	1033004	SECI	WPEK	25	11/1/2007	11/1/2016	12/1/2010	12/1/2019		07WP	\$ - 5	\$ -	\$ 2,019,063	\$ 312,357,996
KPP	AG1-2006-047	1032994	WR	WR	50	6/1/2007	6/1/2013	12/1/2010	11/30/2016	0	07FA	\$ -	\$ -	\$ 10,935,106	\$ 393,434,882
KPP	AG1-2006-048	1032995	WPEK	WPEK	25		6/1/2013	12/1/2010	11/30/2016		07WP	\$ - 5	\$ -	\$ 2,975,819	\$ 398,135,494
KPP	AG1-2006-049	1033723	OPPD	WR	25		6/1/2011	12/1/2010	12/1/2015		06SP	\$ -	\$ -	\$ 3,511,291	\$ 317,785,708
MIDW	AG1-2006-082	1034589	WR	WR	10		1/1/2012	12/1/2010	12/1/2015		06WP	\$ 1,800,000	\$ -	\$ 1,667,690	\$ 366,025,207
MIDW	AG1-2006-082	1034590 1034628		WR WR	25 10		1/1/2012 6/1/2010	12/1/2010	12/1/2015 12/1/2014		06WP 06SP	\$ 4,500,000	\$ -	\$ 4,169,034	\$ 366,025,207
MIDW	AG1-2006-083 AG1-2006-084	1034628 1034595	WR WR	WR	10 50		6/1/2010 4/1/2027	12/1/2010 12/1/2010	12/1/2014		06SP 07SP	\$ - \$ 900.000 <sup>6</sup>	\$ -	\$ 1,665,287 \$ 3,172,702	\$ 365,775,207 \$ 351,105,207
MIDW	AG1-2006-084 AG1-2006-085	1034595	WR	WR	50			6/1/2011	6/1/2031		06WP	only one wind far 6	Ψ - S	\$ 3,172,702 \$ 1,499,527	\$ 351,105,207 \$ 313,566,656
MIDW	AG1-2006-085 AG1-2006-086	1036931	SECI	WR	50		12/1/2026	12/1/2010	12/1/2030		06WP	only one wind far 6	\$ -	\$ 1,499,527 \$ 4.094,922	\$ 313,500,656
MIDW	AG1-2006-087	1040115	SPS	WR	50		11/1/2026	12/1/2010	12/1/2030		06WP	only one wind far 6	\$ -	\$ 5,608,077	\$ 337,537,996
MIDW	AG1-2006-088	1034625	KCPL	WR	50		6/1/2030	12/1/2010	12/1/2030		11SP	\$ 9,000,000	\$ -	\$ 7,317,860	\$ 358,696,981
NTEC	AG1-2006-062	1037581		CSWS	6	5/1/2006	5/1/2018	10/1/2007	10/1/2019		06SP	\$ 1,080,000	\$ -	\$ 6,554,078	\$ 7,540,000

<u>Table 1</u> - Long-Term Transmission Service Requests Included the Aggregate System Impact Study

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date	Deferred Stop Date	Mimimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period	Maximum Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Engineering and Construction Cost of Upgrades Allocated to Customer	Total Engineering and Construction Cost of Upgrades Assigned to Customer
OGE	AG1-2006-040	1032973	OKGE	OKGE	120	9/1/2006	9/1/2031	12/1/2010	12/1/2035	0	11SP	\$ 1,440,000 <sup>7</sup>	\$ -	\$ 13,251,276	\$ 272,473,069
OMPA	AG1-2006-010	977481	GRDA	OKGE	25	5/1/2007	5/1/2040	3/1/2008	3/1/2041		11SP	\$ 4,500,000	\$ -	\$ 3,535,093	\$ 282,253,069
OMPA	AG1-2006-055	1033930		CSWS	29	5/1/2008	5/1/2028	12/1/2010	12/1/2030		08SP	\$ 5,220,000	\$ -	\$ 9,261,502	
OMPA	AG1-2006-055	1033931		CSWS	25	5/1/2008		12/1/2010	12/1/2030		08SP	\$ - 8	\$ -	\$ 7,984,056	
OMPA	AG1-2006-059	1034212	ERCOT	NEES	73	5/1/2008	5/1/2018	12/1/2010	11/30/2020	0	08SP	\$ -	\$ 7,446,000	\$ 24,053,398	\$ 343,776,508
OMPA	AG1-2006-060	1034207	ERCOT	NAMRN	73	5/1/2008	5/1/2018	12/1/2010	11/30/2020	0	08SP	\$ -	\$ 7,446,000	\$ 24,247,699	\$ 343,826,508
SPRM	AG1-2006-061	1034234	WR	SPA	25	7/1/2007	7/1/2027	6/1/2011	6/1/2031	0	07SP	\$ 450,000 <sup>9</sup>	\$ -	\$ 8,362,160	\$ 306,327,708
SPSM	AG1-2006-078	1034444	OKGE	SPS	265	6/1/2009	6/1/2029	12/1/2010	12/1/2030	0	11SP	\$ - 1	\$ 101,760,000	\$ 72,759,804	\$ 410,357,539
SPSM	AG1-2006-079	1034443	OKGE	SPS	265	6/1/2008	6/1/2028	12/1/2010	12/1/2030	0	08SP	\$ 47,700,000 <sup>1</sup>	\$ 101,760,000	\$ 74,158,184	\$ 413,701,126
SPSM	AG1-2006-080	1034456	SPS	EES	50	6/1/2006	6/1/2007	12/1/2010	12/1/2011	16	07AP	\$ -	\$ 510,000	\$ 2,586,008	\$ 133,927,217
SPSM	AG1-2006-081	1034516	CSWS	SPS	50	1/1/2007	1/1/2012	12/1/2010	12/1/2015	0	06WP	\$ 9,000,000	\$ 4,800,000	\$ 13,832,956	\$ 412,611,126
SPSM	AG1-2006-081	1034517	CSWS	SPS	15	1/1/2007	1/1/2012	12/1/2010	12/1/2015	0	06WP	\$ 2,700,000	\$ 1,440,000	\$ 4,149,912	\$ 412,611,126
TEXL	AG1-2006-074	1034399	CSWS	ERCOTE	25	1/1/2007	1/1/2018	12/1/2010	11/30/2021	0	06WP	\$ 1,800,000 <sup>11</sup>	\$ 3,465,000	\$ 24,007,854	\$ 24,015,000
UCU	AG1-2006-008D	984053	WR	MPS	178	1/1/2010	1/1/2030	12/1/2010	12/1/2030	0	11SP	\$ 28,440,000 12	\$ 68,821,920	\$ 4,702,033	\$ 146,810,000
UCU	AG1-2006-063D	1034276	WR	MPS	50	6/1/2007	6/1/2027	6/1/2011	6/1/2031	0	07SP	\$ 900,000	\$ 19,332,000	\$ 3,563,851	\$ 299,997,708
UCU	AG1-2006-073D	1034409	SECI	WPEK	150	1/1/2011	1/1/2041			0	11SP	\$ 27,000,000 12	\$ 52,812,000	\$ 11,940,530	\$ 346,717,708
WRGS	AG1-2006-001D	1026268	OKGE	WR	300	6/1/2006	6/1/2021	12/1/2010	11/30/2025	0	06SH	\$ 54,000,000	\$ -	\$ 23,034,988	\$ 346,115,394
WRGS	AG1-2006-029D	1031553	KCPL	AECI	15	6/1/2006	6/1/2007		•	0	06SH	\$ -	\$ 153,000	\$ -	\$ -
WRGS	AG1-2006-035D	1032954	KCPL	MPS	15	6/1/2006	6/1/2007	6/1/2008	6/1/2009	0	06SP	\$ -	\$ 289,980	\$ 591,886	\$ 2,505,500
WRGS	AG1-2006-036D	1032955	AECI	KCPL	15	6/1/2006	6/1/2007	10/1/2007	9/30/2008	0	06SP	\$ -	\$ 158,400	\$ 18,654	\$ 1,605,500
WRGS	AG1-2006-038D	1032956		KCPL	15	6/1/2006	6/1/2007	12/1/2010	12/1/2011	0	06SP	\$ -	\$ 158,400	\$ 658,275	\$ 295,653,069

Note 1: 253MW potential base plan fundable for year 2011 for GSEC

Note 2: Potential base plan funding based on 7MW of net dependable capacity.

Note 3: Potential base plan funding applicable to only one selected request.

Note 4: 177MW potential base plan fundable for year 2006 for KPP

Note 5: 92MW potential base plan fundable for year 2008 for KPP WPEK requests.

Note 6: Potential base plan funding applicable to only one selected request.

Note 7: Potential base plan funding based on 8MW of net dependable capacity.

Note 8: 29MW Potential base plan funding for 2008 for OMPA.

Note 9: Potential base plan funding based on 2.5MW of net dependable capacity.

Note 10: 265MW potential base plan funding total for either request

Note 11: 10MW potential base plan fundable for year 2007.

Note 12: 158MW potential base plan funding total for either request

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number WRGS AG1-2006-001D

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point		Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
WRGS	1026268	OKGE	WR	300	6/1/2006	6/1/2021	12/1/2010	11/30/2025	\$ 54,000,000	\$ -	\$ 23,034,988	\$ 346,115,394
									\$ 54,000,000	S -	\$ 23.034.988	\$ 346,115,394

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1026268	17TH STREET TRANSFORMER CKT 2	6/1/2012	6/1/2012	\$	2,400,000	\$	2,400,000
	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	6/1/2016	6/1/2016	\$	321,551	\$	462,000
	COFFEYVILLE SUB - DEARING 69KV CKT 1	4/1/2007	4/1/2007	\$	60,000	\$	60,000
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$	64,670	\$	100,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$	2,165,719	\$	3,800,000
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$	2,184,434	\$	5,400,000
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2013	6/1/2013	\$	20,000	\$	20,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$	444,977	\$	1,100,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	792,340	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	32,027	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	127,558	\$	5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$	41,176	\$	250,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	149,999	\$	8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$	975,965	\$	3,000,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	527,006	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	1,197,690	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	811,338	\$	21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	2,615,903	\$	6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	34,025	\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	14,647	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	2,766,846	\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	885,729	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	140,540	\$	10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$	4,151,108	\$	42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	109,740	\$	7,000,000
			Total	\$	23,034,988	\$	346,115,394

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1026268	Carter JCT Capcitor	6/1/2008	6/1/2008
	DEARING TRANSFORMER CKT 2	12/1/2011	12/1/2011
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011

 Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

 Reservation
 Upgrade Name
 COD
 EOC

 1026268
 ARCADIA - REDBUD 345 KV CKT 2
 6/1/2006
 6/1/2006

 ARCADIA - REDBUD 345 KV CKT 1
 6/1/2006
 6/1/2006

 LACYGNE - WEST GARDNER 345KV CKT 1
 6/1/2006
 6/1/2006

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation Upgrade Name COD EOC

1026268 Remove Reactor 6/1/2006 6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number AEPM AG1-2006-003D

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point		
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
AEPM	1023232	CSWS	CSWS	150	1/1/2007	1/1/2008	1/1/2007	1/1/2008	\$ -	\$ -	\$ -	\$ -
									\$ -	٩ -	\$ -	\$

				Allocated E & C	Ì
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cost
			Total	9	¢

Study Number AG1-2006-005D Customer AEPM

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point		Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
AEPM	1019916	CSWS	CSWS	168	7/1/2007	7/1/2012	12/1/2010	12/1/2015	\$ -	\$ -	\$ 10,330,388	\$ 280,604,715
						-			\$ -	\$ -	\$ 10,330,388	\$ 280,604,715

				Allo	ocated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	al E & C Cos
1019916	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2015	6/1/2015	\$	10,722	\$	15,000
	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$	511,771	\$	1,000,000
	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011	\$	2,000,000	\$	2,000,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$	7,689	\$	15,000
	FIXICO TAP - MAUD 138KV CKT 1 AEPW	6/1/2014	6/1/2014	\$	5,500,000	\$	5,500,000
	FIXICO TAP - MAUD 138KV CKT 1 OKGE	6/1/2014	6/1/2014	\$	20,000	\$	20,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	781	\$	850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	388,224	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	15,692	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	36,670	\$	5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	97,245	\$	8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	154,047	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	449,558	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	304,540	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	4,465	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	673,615	\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	129,220	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	11,497	\$	10,318,679
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	14,652	\$	7,000,000
			Total	\$	10,330,388	\$	280.604.715

Expansion Plan	- The requested service is contingent upon completion of the following upgrades. Cost is not assi	gnable to the	e transmissio	n customer.
Reservation	Upgrade Name	COD	EOC	İ
1019916	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008	İ
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008	i

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation Upgrade Name COD EOC
1019916 Remove Reactor 6/1/2006 6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number AEPM AG1-2006-006D

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FOR	FOD	Aillouit	Start Date	Stop Date	Otal t Date			Dusc Ruic	to oustoille	
AEPM	1019914	CSWS	CSWS	168	7/1/2008		12/1/2010				\$ 10,330,388	

				Allo	ocated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1019914	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2015	6/1/2015	\$	10,722	\$	15,000
	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$	511,771	\$	1,000,00
	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011	\$	2,000,000	\$	2,000,00
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$	7,689	\$	15,00
	FIXICO TAP - MAUD 138KV CKT 1 AEPW	6/1/2014	6/1/2014	\$	5,500,000	\$	5,500,00
	FIXICO TAP - MAUD 138KV CKT 1 OKGE	6/1/2014	6/1/2014	\$	20,000	\$	20,00
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	781	\$	850,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	388,224	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	15,692	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	36,670	\$	5,000,00
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	97,245	\$	8,727,21
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	154,047	\$	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		449,558	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	304,540	\$	21,000,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	4,465	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	673,615	\$	90,000,00
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	129,220	\$	23,158,81
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	11,497	\$	10,318,67
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	14,652	\$	7,000,00
			Total	\$	10.330.388	\$	280.604.71

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1019914	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008

Reservation	Upgrade Name	COD	EOC
1019914	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number AEPM AG1-2006-007D

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer AEPM	Reservation 1023236	WFEC	CSWS	Amount 80	1/1/2007	1/1/2027	12/1/2010		\$ 1,440,000		\$ 15,110,238	

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	al E & C Co
1023236	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2015	6/1/2015	\$	4,278	\$	15,000
	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$	231,221	\$	1,000,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$	3,478	\$	15,00
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$	78,607	\$	3,800,00
	FT SUPPLY - WOODWARD 69KV CKT 1	4/1/2007	2/1/2008	\$	4,500,000	\$	4,500,00
	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2007	\$	1,500,000	\$	1,500,00
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2007	6/1/2007	\$	16,957	\$	50,00
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008	\$	999,907	\$	3,400,00
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	\$	371,669	\$	1,500,00
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	3,852		850,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	2,596,685	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	104,959	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	474,712	\$	5,000,00
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	736,954	\$	36,377,17
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	165,502	\$	8,727,21
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	210,032	\$	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	821,246	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	556,328	\$	21,000,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	7,615	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,603,923		90,000,00
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	122,313	\$	10,318,67
			Total	\$	15,110,238	\$	294,053,06

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1023236	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	Carter JCT Capcitor	6/1/2008	6/1/2008
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation Upgrade Name COD EOC

1023236 Remove Reactor 6/11/2006 6/11/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number UCU AG1-2006-008D

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
UCU	984053	WR	MPS	178	1/1/2010	1/1/2030	12/1/2010	12/1/2030	\$ 28,440,000	\$ 68,821,920	\$ 4,702,033	\$ 146,810,000
									\$ 28,440,000	\$ 68.821.920	\$ 4,702,033	\$ 146,810,000

				Alloca	ated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
984053	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	256,564	\$	1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$	512,904	\$	1,900,000
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	551,232	\$	2,000,000
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$	823,552	\$	1,605,500
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	438,307	\$	4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	178,911	\$	10,560,00
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$	31,519	\$	50,000
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2007	\$	1,563,970	\$	4,244,50
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	101,412	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	4,099	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	12,917	\$	5,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	135,116	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	91,530	\$	21,000,00
	•		Total	S	4.702.033	\$	146.810.000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
984053	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	EAST 20MVAR CAPACITOR	6/1/2011	6/1/2011
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.								
Reservation	Upgrade Name	COD	EOC					
984053	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006					
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006					
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006					

Reservation	Upgrade Name	COD	EOC
984053	IATAN - ST JOE 345KV CKT 1	12/1/201	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
						·	O1 1 D - 1 -	04 0 -4 -	Francisco Albania Isla			
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KCPS	979750 Reservation	KCPL	KCPL	Amount 168	6/1/2009	6/1/2029	12/1/2010		\$ 30,240,000		\$ 3,274,521	

				Alloc	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	IE & C Cost
979750	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	505,833	\$	1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$	1,011,227	\$	1,900,000
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016	\$	416,399	\$	700,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	1,341,062	\$	6,000,000
			Total	\$	3,274,521	\$	9,600,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
979750	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2012	6/1/2012
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
979750	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010

Customer Study Number OMPA AG1-2006-010

				Requested	Requested	Requested	Deferred	Deferred	Potentia	l Base Plan	Point-to-Point	E & C Cost of Upgrades Allocated	Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date			Stop Date				to Customer	to Customer
OMPA	977481	GRDA	OKGE	25	5/1/2007	5/1/2040	3/1/2008	3/1/2041	\$	4,500,000	\$ -	\$ 3,535,093	\$ 282,253,069
									\$	4,500,000	\$ -	\$ 3,535,093	\$ 282,253,069

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
977481	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$	176,883	\$	890,000
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$	1,916	\$	90,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$	17,399	\$	850,000
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$	3,069,247	\$	8,500,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		14,734	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	596	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	10,848	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	14,628	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	2,669	\$	8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$	59,603	\$	3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	48,303	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	32,721	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	385	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	65,058	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	2,568	\$	10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$	17,535	\$	1,500,000
			Total	S	3.535.093	\$	282.253.069

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
977481	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	SUB 110 - ORONOGO ICT - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point		Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KCPS	1035259	WPEK	KCPL	101	6/1/2006	6/1/2037	12/1/2010	11/30/2041	\$ 1,260,000	\$ 33,063,360	\$ 11,722,821	\$ 287,970,683
									\$ 1,260,000	\$ 33,063,360	\$ 11.722.821	\$ 287.970.683

				Allo	ocated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Co
1035259	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	12/1/2007	\$	1,023,761	\$	1,300,000
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016	\$	141,899	\$	700,00
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	24,610	\$	153,11
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2007	\$	2,110,939	\$	4,244,50
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	17,925	\$	100,00
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	589,299	\$	3,200,00
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	3,972	\$	850,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,086,878	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	43,932	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	178,835	\$	5,000,00
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	692,353	\$	36,377,17
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	144,603	\$	8,727,21
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$	-	\$	
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	1,130,363	\$	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	1,663,423	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	1,126,835	\$	21,000,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	10,098	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,616,000	\$	90,000,00
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	117,096	\$	10,318,67
			Total	\$	11.722.821	\$	287,970,68

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1035259	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2012	6/1/2012
	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1035259	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1035259	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
CRGL	1022463	WR	ERCOTN	100	2/1/2007	2/1/2008	12/1/2010	12/1/2011	\$ -	\$ 1,260,000	\$ 6,531,426	\$ 287,640,243
									\$	\$ 1.260.000	\$ 6,531,426	\$ 287,640,243

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	al E & C Cos
1022463	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	264,042	\$	2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	37,038	\$	1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	278,108	\$	4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	200,345	\$	10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$	370,498	\$	1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$	50,799	\$	150,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$	20,847	\$	1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$	3,630	\$	20,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,192,387	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	48,197	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	11,769	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	894,381	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	139,135	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	733,063	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	496,591	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	8,665	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,618,654	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	163,277	\$	10,318,679
			Total	\$	6 531 426	\$	287 640 243

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1022463	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Reservation	Upgrade Name	COD	EOC
1022463	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

				Requested		Requested			Potential Base Plan			Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
CRGL	1022470	OPPD	ERCOTN	107	2/1/2008	2/1/2010	12/1/2010	11/30/2012	\$ -	\$ 2,696,400	\$ 5,556,438	\$ 277,983,069
									\$ -	\$ 2,696,400	\$ 5,556,438	\$ 277.983.069

				Allocated E &	С	
Reservation	Upgrade Name	COD	EOC	Cost	Te	otal E & C Cos
1022470	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 91,10	0 \$	10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 1,181,31	1 \$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 47,74	9 \$	
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 2,58	2 \$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 973,44		
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 152,01	0 \$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 760,75	9 \$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 515,35	3 \$	
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 11,44	9 \$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 1,643,17	3 \$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 177,50	3 \$	10,318,679
			Total	\$ 5,556,43	8 \$	277.983.06

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1022470	Carter JCT Capcitor	6/1/2008	6/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1022470	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EUC	1
1022470	Remove Reactor	6/1/2006	6/1/2006	1

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Ston Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FOR	FOD	Aillouit	Otal t Date	Otop Dute				Dusc Ruic		
CRGL	1022468	WR	ERCOTN	100	2/1/2008			11/30/2012		\$ 2,520,000		

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1022468	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	267,024	\$	2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	41,415	\$	1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	300,309	\$	4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	219,430	\$	10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$	15,200	\$	1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$	2,334	\$	20,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,181,211	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	47,745	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	11,656	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	888,184	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	137,881	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	719,515	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	487,413	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	11,421	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,619,423	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	162,190	\$	10,318,679
			Total	S	6.112.351	\$	286.390.243

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1022468	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Reservation	Upgrade Name	COD	EOC
1022468	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point		Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
CRGL	1022466	OKGE	ERCOTN	107	2/1/2007	2/1/2008	12/1/2010	12/1/2011	\$ -	\$ 1,348,200	\$ 5,058,500	
CRGL	1022467	OKGE	ERCOTN	100	2/1/2007	2/1/2008	12/1/2010	12/1/2011	\$ -	\$ 1,260,000	\$ 4,727,563	
									\$ -	\$ 2,608,200	\$ 9,786,063	\$ 277,983,069

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1022466	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	67,023	\$	10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	950,005	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	38,400	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	70,752		5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	619,499		36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	83,245	\$	8,727,21
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	246,675	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	167,103	\$	21,000,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	9,796	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	2,689,615	\$	90,000,00
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	116,387	\$	10,318,67
			Total	\$	5,058,500	\$	277,983,069
1022467	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	62,638	\$	10,560,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	887,858	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	35,888	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	66,123	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	578,970	\$	36,377,17
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	77,799	\$	8,727,21
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	230,537	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	156,170	\$	21,000,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	9,155	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	2,513,654	\$	90,000,00
	Tuco - Northwest 343kV 3F3						
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	108,771	\$	10,318,67

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

F	Reservation	Upgrade Name	COD	EOC
1	022466	Carter JCT Capcitor	6/1/2008	6/1/2008
1	022467	Carter JCT Capcitor	6/1/2008	6/1/2008

Reservation	Upgrade Name	COD	EOC
1022466	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
1022467	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007

 $\underline{\textbf{Table 2}} \text{ -} \textbf{Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade}$ 

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point		Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
CRGL	1022471	OKGE	ERCOTN	107	2/1/2008	2/1/2010	12/1/2010	11/30/2012		\$ 2,696,400	\$ 5,073,664	
CRGL	1022472	OKGE	ERCOTN	100	2/1/2008	2/1/2010	12/1/2010	11/30/2012		\$ 2,520,000	\$ 4,741,747	
									\$ -	\$ 5.216.400	\$ 9.815.411	\$ 278,033,069

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1022471	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2012	6/1/2012	\$	10,590	\$	50,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	64,576	\$	10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	950,005	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	38,400	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	70,734	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	619,592	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	83,245	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	246,801	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	167,188	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	16,606	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	2,689,500	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	116,427	\$	10,318,679
			Total	\$	5,073,664	\$	278,033,069
1022472	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2012	6/1/2012	\$	9,897	\$	50,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	60,348	\$	10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	887,858	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	35,888		2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	66,106	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	579,055	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	77,799	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	230,656	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	156,251	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	15,520	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	2,513,558	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	108,811	\$	10,318,679
		•	Total	\$	4.741.747	\$	278.033.069

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	İ
1022471	Carter JCT Capcitor	6/1/2008	6/1/2008	İ
1022472	Carter JCT Capcitor	6/1/2008	6/1/2008	i

Reservation	Upgrade Name	COD	EOC
1022471	Remove Reactor	6/1/2006	6/1/2006
1022472	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
CRGL CRGL	Reservation   1022465	KCPL	ERCOTN	Amount 107	2/1/2007	2/1/2008	12/1/2010		Funding Allowable	\$ 1,348,200		

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1022465	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011	\$	31,976	\$	100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	112,377	\$	10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,133,433	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	45,814	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	27,315	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	859,560	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	128,919	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	597,996	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	405,094	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	8,674	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,890,404	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	158,076	\$	10,318,679
			Total	S	5.399.638	\$	278.083.069

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1022465	Carter JCT Capcitor	6/1/2008	6/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1022465	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1022465	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Ston Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FUR	FUD	Alliount	Start Date	Stop Date	Start Date	Stop Date	I ulluling Allowable	Dase Rate	to customer	to customer
CRGL	1022469	KCPL	ERCOTN	107	2/1/2008			11/30/2012		\$ 2,696,400		

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1022469	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011	\$	31,762	\$	100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	115,959	\$	10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,132,795	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	45,788	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	27,407	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	859,468	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	128,879	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		598,157	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	405,203	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	12,599	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,893,788	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	158,036	\$	10,318,679
			Total	\$	5,409,841	\$	278,083,069

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1022469	Carter JCT Capcitor	6/1/2008	6/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1022469	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1022469	Remove Reactor	6/1/200	6/1/2006

Customer Study Number CRGL AG1-2006-022

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	E & C Cost of Upgrades Allocated	Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
CRGL	1024418	WFEC	ERCOTN	50	2/1/2007	2/1/2010	12/1/2010	11/30/2013	\$ -	\$ 1,890,000	\$ 7,863,132	\$ 275,623,069
									\$ -	\$ 1,890,000	\$ 7,863,132	\$ 275,623,069

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1024418	ANADARKO - CYRIL 69KV CKT 1	6/1/2008	6/1/2008	\$	3,250,000	\$	3,250,000
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2007	6/1/2007	\$	7,424	\$	50,000
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008	\$	343,557	\$	3,400,000
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	\$	237,477	\$	1,500,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,989,014	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	80,397		2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	304,106	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	770,257	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	140,190	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	312,666	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	211,806	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	761	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	79,654	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	135,823	\$	10,318,679
			Total	S	7 863 132	S	275,623,069

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1024418	Carter JCT Capcitor	6/1/2008	6/1/2008

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1024418	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007

Customer Study Number CRGL AG1-2006-023

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CRGL	1024415	WPEK	ERCOTN	57	2/1/2007	2/1/2010	12/1/2010	11/30/2013	\$ - \\$ 2,154,600	\$ 3,490,120 \$	280,876,183
									\$ - \$ 2.154.600	\$ 3.490.120 \$	280.876.183

				Alloc	ated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	al E & C Cos
1024415	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	15,827	\$	153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	11,528	\$	100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	275,582	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	408,477	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	16,511	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	81,360	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	821,553	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	52,160	\$	8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$	-	\$	-
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	395,078	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	692,082	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	468,830	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	21,633	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	62,865	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	166,634	\$	10,318,679
			Total	\$	3.490.120	\$	280,876,183

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1024415	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1024415	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1024415	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
0	B	POR	POD	A	04 4 D - 4 -	Ctan Data	Ctant Data	Ctan Data	Funding Allowable	Dana Data	4- 04	to Customer
Customer	Reservation	PUR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
CRGL	1024414	OPPD	ERCOTN	100	2/1/2007			11/30/2013		\$ 3,780,000		

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1024414	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	85,149	\$	10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,104,030	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	44,625	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	2,413	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	909,768	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	142,065	\$	8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007		\$	-	\$	-
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	710,991	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009		481,639	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	9,355	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,535,673	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	165,893	\$	10,318,679
			Total	S	5.191.601	\$	277.983.069

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1024414	Carter JCT Capcitor	6/1/2008	6/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1024414	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1024414	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

				Requested		Requested			Potential Base Plan		Upgrades Allocated	
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
CRGL	1024424	AMRN	ERCOTN	100	2/1/2007	2/1/2010	12/1/2010	11/30/2013	\$ -	\$ 3,780,000	\$ 5,054,105	\$ 278,083,069
									\$ -	\$ 3.780.000	\$ 5.054.105	\$ 278.083.069

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1024424	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011	\$	29,683	\$	100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	108,384	\$	10,560,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,058,688	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	42,793	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	25,613	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	803,240	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	120,449	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	559,024	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	378,694	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	9,935	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,769,904	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	147,698	\$	10,318,679
			Total	S	5.054.105	\$	278.083.069

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1024424	Carter JCT Capcitor	6/1/2008	6/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1024424	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1024424	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006

 $\underline{\textbf{Table 2}} \text{ -} \textbf{Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade}$ 

Customer Study Number EDE AG1-2006-027

				Requested					Potential Base Plan	Point-to-Point		Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
EDE	1032183	EES	EDE	50	6/1/2010	6/1/2040	6/1/2010	6/1/2040	\$ -	\$ -	\$ 13,492	
EDE	1032184	EES	EDE	50	6/1/2010	6/1/2040	6/1/2010	6/1/2040	\$ -	\$ -	\$ 13,492	
									¢	¢	\$ 26,984	\$ 110,000

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cost
1032183	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2011	6/1/2011	13492	55000
1032184	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2011	6/1/2011	13492	55000
			Total	\$ 26,984	\$ 110,000

Reservation	Upgrade Name	COD	EOC
1032183	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2012	6/1/2012
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016
	SUB 124 - AURORA H.T SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	SUB 390 - PURDY SOUTH 69KV	6/1/2016	6/1/2016
1032184	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2012	6/1/2012
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016
	SUB 124 - AURORA H.T SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	SUB 390 - PURDY SOUTH 69KV	6/1/2016	6/1/2016

Credits may b	e required for the following network upgrades directly assigned to transmission customers in	previous aggregate	e study.
Reservation	Upgrade Name	COD	EOC
1032183	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	SUB 110 - ORONOGO JCT SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2011	6/1/2011
1032184	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	SUB 110 - ORONOGO JCT SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	CUD 440 ODONOCO ICT (ODONOCO) 464/60/40 FIZI/ TDANICEODMED CIZT 4	0/4/0044	01410044

Customer Study Number EDE AG1-2006-028

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
EDE	1036798	SPS	EDE	50	12/1/2007				\$	\$	\$ 3,339,443	
EDE	1036799	SPS	EDE	50	12/1/2007	12/1/2027	12/1/2010	12/1/2030	\$ -	\$ -	\$ 3,339,443	
									\$ -	\$ -	\$ 6,678,886	\$ 281,781,183

				Alloc	ated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Total E &	C Cos
1036798	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	7,666	\$ 1	153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	5,583	\$ 1	100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	212,924	\$ 3,2	200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	12,265	\$ 8	350,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	482,383	\$ 61,8	350,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	19,498	\$ 2,5	500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	104,472	\$ 5,0	000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	471,793	\$ 36,3	377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	104,313	\$ 8,7	727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	333,997	\$ 10,0	000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	239,150	\$ 31,0	000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	162,005	\$ 21,0	000,000
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2011	6/1/2011	\$	14,008	\$	55,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	6,619	\$ 6	350,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,084,269	\$ 90,0	000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	78,498	\$ 10,3	318,679
			Total	\$	3,339,443	\$ 281,7	'81,183
1036799	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	7,666	\$ 1	153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	5,583	\$ 1	100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	212,924	\$ 3,2	200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	12,265	\$ 8	350,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	482,383	\$ 61,8	350,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	19,498	\$ 2,5	500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	104,472	\$ 5,0	000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	471,793	\$ 36,3	377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	104,313	\$ 8,7	727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	333,997	\$ 10,0	000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	239,150	\$ 31,0	000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	162,005	\$ 21,0	000,000
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2011	6/1/2011	\$	14,008		55,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	6,619	\$ 6	550,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,084,269	\$ 90,0	000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	78,498	\$ 10,3	318,679
	•	•	Total	S	3.339.443	\$ 281.7	781 183

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1036798	Carter JCT Capcitor	6/1/2008	6/1/2008
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2012	6/1/2012
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	NEOSHO - SUB 184 - NEOSHO SOUTH JCT. 161KV CKT 1	6/1/2008	6/1/2006
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016
	SUB 124 - AURORA H.T SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	SUB 390 - PURDY SOUTH 69KV	6/1/2016	6/1/2016
1036799	Carter JCT Capcitor	6/1/2008	6/1/2008
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2012	6/1/2012
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	NEOSHO - SUB 184 - NEOSHO SOUTH JCT. 161KV CKT 1	6/1/2008	6/1/2006
	RIVERSIDE CAPACITOR	6/1/2016	6/1/2016
	SUB 124 - AURORA H.T SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	SUB 390 - PURDY SOUTH 69KV	6/1/2016	6/1/2016

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study. Reservation Upgrade Name COD EOC 6/1/2006 6/1/2006 6/1/2006 6/1/2006 ARCADIA - REDBUD 345 KV CKT 1 ARCADIA - REDBUD 345 KV CKT 2 036798 LACYGNE - WEST GARDNER 345KV CKT 1 6/1/2006 6/1/2006 SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1 SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1 6/1/2011 6/1/2011 6/1/2011 6/1/2011 1036799 ARCADIA - REDBUD 345 KV CKT 1 6/1/2006 6/1/2006 ARCADIA - REDBUD 345 KV CKT 2 6/1/2006 6/1/2006 6/1/2006 6/1/2006 ACYGNE - WEST GARDNER 345KV CKT 1 SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1 SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1 6/1/2011 6/1/2011 6/1/2011 6/1/2011

Reservation	Upgrade Name	COD	EOC
1036798	Remove Reactor	6/1/2006	6/1/2006
1036799	Remove Reactor	6/1/2006	6/1/2006

Customer Study Number WRGS AG1-2006-029D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date				Potential Base Plan Funding Allowable		Upgrades Allocated	Total E & C Cost of Upgrades Assigned to Customer
WRGS	1031553	KCPL	AECI	15	6/1/2006	6/1/2007	6/1/2006	6/1/2007	\$ -	\$ 153,000	\$ -	\$ -
									\$ -	\$ 153,000	\$ -	\$ -

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cost
			Total	\$ -	\$ -

Customer Study Number WRGS AG1-2006-035D

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
WRGS	1032954	KCPL	MPS	15	6/1/2006	6/1/2007	6/1/2008	6/1/2009	\$ -	\$ 289,980	\$ 591,886	\$ 2,505,500
									S -	\$ 289,980	\$ 591,886	\$ 2,505,500

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	IE & C Cost
1032954	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$	46,117	\$	1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$	263	\$	50,000
	RALPH GREEN 12MVAR CAPACITOR	6/1/2008	6/1/2008	\$	45,506	\$	350,000
	SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1	6/1/2007	10/1/2007	\$	500,000	\$	500,000
			Total	\$	591.886	\$	2.505.500

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation Upgrade Name COD EOC

Reservation	Upgrade Name	COD	EOC
1032954	ANACONDA - FREEMAN 69KV CKT 1	6/1/2006	6/1/2008
	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	6/1/2006	12/1/2007

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1032954	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006

**Customer** Study Number WRGS AG1-2006-036D

											E & C Cost of	Total E & C Cost of
	1	1		Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
WRGS	1032955	AECI	KCPL	15	6/1/2006	6/1/2007	10/1/2007	10/1/2008	\$ -	\$ 158,400	\$ 18,654	\$ 1,605,500
									\$ -	\$ 158,400	\$ 18,654	\$ 1,605,500

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cos
1032955	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 18,654	\$ 1,605,500
			Total	\$ 18,654	\$ 1,605,500

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number WRGS AG1-2006-038D

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
WRGS	1032956	WR	KCPL	15	6/1/2006	6/1/2007	12/1/2010	12/1/2011	\$ -	\$ 158,400	\$ 658,275	\$ 295,653,069
	1002000											

				Alloca	ated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	al E & C Co
1032956	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$	32,760	\$	1,900,00
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	75,300	\$	2,000,00
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	12/1/2007	\$	41,314	\$	1,300,00
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$	5,643	\$	1,605,50
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	39,490	\$	4,100,00
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	13,213	\$	10,560,00
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$	89,014	\$	1,100,00
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$	12,016	\$	150,00
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$	696	\$	50,00
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$	790	\$	20,00
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006	10/1/2007	\$	85,187	\$	4,244,50
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	19,067	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	771	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	2,225	\$	5,000,00
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	11,753	\$	36,377,17
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	2,394	\$	8,727,2
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$	-	\$	
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$	160,023	\$	1,200,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	24,346	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	16,492	\$	21,000,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	199	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	23,577	\$	90,000,00
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	2,005	\$	10,318,67
			Total	\$	658,275	\$	295.653.06

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1032956	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	12/1/2008	12/1/2008
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Reservation	Upgrade Name	COD	EOC
1032956	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
							04 4 D - 4 -	O4 D -4 -	Francisco Albanashia		4	4 - 0 4
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
OGE	Reservation 1032973	OKGE	OKGE	Amount 120	9/1/2006		12/1/2010				\$ 13,251,276	

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1032973	ALVA - KNOBHILL 69KV CKT 1	6/1/2008	6/1/2008	\$	100,000	\$	100,000
	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	6/1/2007	6/1/2007	\$	25,619	\$	50,000
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008	\$	1,831,991	\$	3,400,000
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2007	6/1/2008	\$	890,854	\$	1,500,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	3,681,218		61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	148,796	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	653,397	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	1,110,996	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	240,341	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	1,060,205	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	718,204	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	11,969	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	2,591,077	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	186,609	\$	10,318,679
		•	Total	\$	13 251 276	\$	272,473,069

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1032973	Carter JCT Capcitor	6/1/2008	6/1/2008
	COLONY - FT SMITH 161KV CKT 1	6/1/2011	6/1/2011
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016
	PENNSYLVANIA - WESTMOORE 138KV CKT 1	10/1/2007	6/1/2008

Reservation	Opgrade Name	COD	EUC
1032973	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number KPP AG1-2006-041

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
A	December 1	POR	POD	Amount	Start Date	Stop Date	Start Date	Ston Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FUR	FOD	Alliount	Start Date	Stop Date	Start Date	Stop Date	I ulluling Allowable	Dase Rate	to Customer	to customer
KPP	1032990	WR	WR	127	6/1/2006			11/30/2020			\$ 4,848,291	

				Alloc	ated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	IE&CCos
1032990	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$	204,398	\$	890,000
	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$	9,013	\$	50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$	42,321	\$	115,000
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$	24,758	\$	40,000
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2016	6/1/2016	\$	837,121	\$	1,650,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	1,024,587	\$	4,100,000
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$	162,206	\$	900,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$	135,932	\$	7,520,000
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$	14,564	\$	143,000
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$	54,076	\$	300,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	39,149	\$	10,560,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$	734,491	\$	3,100,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	78,057	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	3,155	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	22,983	\$	5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$	57,963	\$	250,000
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$	270,343	\$	1,500,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$	21,018	\$	1,164,639
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$	180,645	\$	1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$	404,336	\$	2,300,000
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$	136,823	\$	3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	171,329	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	116,062	\$	21,000,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$	102,961	\$	600,000
			Total	\$	4,848,291	\$ 1	161,032,639

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission custome

Expunsion i lun	The requested service is contingent upon completion of the following upgrades. Cost is not assign		c transmissio
Reservation	Upgrade Name	COD	EOC
1032990	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

Reservation	Upgrade Name	COD	EOC
1032990	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number KPP AG1-2006-042

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer KPP	Reservation 1032991	WPEK	WPEK	Amount 80	6/1/2006	6/1/2016	6/1/2011	5/31/2021	\$ 14,400,000		\$ 2,713,053	

				Allocated E	& C		
Reservation	Upgrade Name	COD	EOC	Cost		Tot	al E & C Cos
1032991	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 47	376	\$	890,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 49	222	\$	1,143,587
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$	555	\$	90,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 29	032	\$	4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 201	383	\$	7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 83	094	\$	2,200,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 22	886	\$	3,800,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 223	658	\$	10,560,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 2	122	\$	153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 39	543	\$	1,143,587
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 850	408	\$	8,500,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 47	584	\$	3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 70	103	\$	3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 5	351	\$	850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 41	957	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 1	696	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 9	368	\$	5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 127	542	\$	1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 7	474	\$	8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 29	470	\$	3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 77	320	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 52	378	\$	21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 1	641	\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	698	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 92	942	\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 43	547	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 6	884	\$	10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 504	931	\$	42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 5	388	\$	7,000,000
	WASHINGTON 1800 KVAR CAPACITOR	6/1/2007	6/1/2007	\$ 37	500	\$	75,000
	•		Total	\$ 2.713	053	\$	364.813.321

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1032991	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.								
Reservation	Upgrade Name	COD	EOC					
1032991	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015					
	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015					
	SUB 110 - ORONOGO JCT SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011					

Reservation	Upgrade Name	COD	EOC
1032001	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Customer Study Number KPP AG1-2006-043

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	E & C Cost of Upgrades Allocated	Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KPP	1032992	WR	WPEK	25	6/1/2006	6/1/2016	12/1/2010	11/30/2020	\$ 2,160,000	\$ -	\$ 3,893,698	\$ 358,178,321
									\$ 2.160.000	\$ -	\$ 3.893.698	\$ 358,178,321

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cos
1032992	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 67,888	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 108,400	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 95,328	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 298,634	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 126,200	\$ 2,200,000
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$ 387,560	\$ 5,400,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 703,859	\$ 10,560,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 78,947	\$ 1,100,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 1,223	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 60,056	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 816	\$ 20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 72,161	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 72,218	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 11,974	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 74,882	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 3,027	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 18,145	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 133,751	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 12,620	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 107,879	\$ 1,200,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 145,566	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 98,609	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 3,035	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 1,370	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 168,827	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 77,153	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 12,270	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 941,729	\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 9,571	\$ 7,000,000
			Total	\$ 3,893,698	\$ 358,178,32

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1032992	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Reservation	Upgrade Name	COD	EOC
1032992	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KPP	1032993	WPEK	WR	25	6/1/2006	6/1/2016	12/1/2010	11/30/2020	\$ -	\$ -	\$ 5,038,953	\$ 326,964,409
									\$ -	S -	\$ 5.038.953	\$ 326.964.409

				Allo	cated E & C	
Reservation	Upgrade Name	COD	EOC		Cost	 al E & C Cos
1032993	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$	4,352	\$ 50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$	14,783	115,000
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$	286,544	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	3,232	\$ 1,143,587
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$	1,617	\$ 40,000
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2016	6/1/2016	\$	201,112	\$ 1,650,000
	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	6/1/2016	6/1/2016	\$	37,798	\$ 462,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	61,830	\$ 4,100,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$	71,636	\$ 500,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	6/1/2007	\$	546,591	\$ 2,650,000
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$	78,333	\$ 900,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$	1,126	\$ 7,520,000
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$	7,602	\$ 100,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$	271,092	\$ 3,800,000
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$	7,035	\$ 143,000
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$	26,110	\$ 300,000
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	2/1/2008	\$	560,146	\$ 2,750,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$	540,698	\$ 3,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	8,626	\$ 153,114
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$	72,943	\$ 3,100,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	6,283	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	154,479	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	1,504	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	114,486	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	4,628	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	42,625	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$	16,382	\$ 250,000
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$	130,556	\$ 1,500,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$	4,086	\$ 1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	151,273	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	9,640	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$	-	\$
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$	99,294	\$ 1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$	207,573	\$ 2,300,000
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$	127,343	\$ 3,000,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	256,056	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	151,548	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	102,661	\$ 21,000,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$	56,594	\$ 600,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	8,574	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	452,808	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	34,773	\$ 10,318,679
	WELLINGTON CAPACITOR	6/1/2007	6/1/2007	\$	102,581	\$ 600,000
	•		Total	\$	5,038,953	\$ 326 064 400

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1032993	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008

Credits may be	e required for the following network upgrades directly assigned to transmission custo	mers in previous aggregat	e study.
Reservation	Upgrade Name	COD	EOC
1032993	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	CRESWELL - OAK 69KV CKT 1	6/1/2011	6/1/2011
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2015	6/1/2015
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1032993	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KPP	Reservation 1033000	SPS	WR	Amount 25	1/1/2008	1/1/2016	12/1/2010	12/1/2018		Base Rate	\$ 5,085,657	

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	al E & C Cos
1033000	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$	4,069	\$	50,00
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$	14,828	\$	115,00
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$	281,760	\$	2,000,00
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$	3,176	\$	40,00
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2016	6/1/2016	\$	200,260	\$	1,650,00
	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	6/1/2016	6/1/2016	\$	38,750	\$	462,00
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	69,985	\$	4,100,00
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$	70,440	\$	500,00
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	6/1/2007	\$	548,025	\$	2,650,00
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$	73,247	\$	900,00
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$	9,332	\$	7,520,00
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$	7,793	\$	100,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$	278,928	\$	3,800,00
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$	6,578	\$	143,00
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$	24,416	\$	300.00
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	2/1/2008	\$	572,122	\$	2.750.00
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	s	544,131	\$	3,000,00
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	4,384	\$	153,11
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$	94,386	\$	3.100.00
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	3,193	\$	100.00
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	114,838	\$	3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	7,918	\$	850.00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	268,255	\$	61.850.00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	10.843	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	Š	49,905	\$	5,000,00
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$	16,445	\$	250.00
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$	122.079	_	1.500.00
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$	7,378	\$	1,164,63
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	216.083	\$	36,377,17
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	48,088		8,727,21
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$			
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$	91.933		1.500.00
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$	205.050	_	2,300,00
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$	130,675		3,000,00
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	200.562	_	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	ŝ	89,439		31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	s	60,588		21.000.00
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$	52,398		600.00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	3.023		650.00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	504,462	0	90.000.00
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	S	35.892		10,318,67
	1.000 #1.E.t.O. #1.00 040 FIGURE OR FI	7/1/2007	Total	\$			

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1033000	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

 Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

 Reservation
 Upgrade Name
 COD
 EOC

 1033000
 ARCADIA - REDBUD 345 KV CKT 1
 6/1/2006
 6/1/2006

 BELL - PECK 69KV CKT 1
 6/1/2007
 ARCADIA - REDBUD 345 KV CKT 2
 6/1/2006
 6/1/2007

 ARCADIA - REDBUD 345 KV CKT 2
 6/1/2006
 6/1/2006
 6/1/2006
 6/1/2007

 ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 6/1/2006
 6/1/2006
 6/1/2007

 LACYGNE - WEST GARDNER 345KV CKT 1
 6/1/2006
 6/1/2006
 6/1/2007

 GILL ENERGY CENTER WEST - PECK 69KV
 6/1/2001
 6/1/2015

 RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
 6/1/2015
 6/1/2015

 Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

 Reservation
 Upgrade Name

 1033000
 Remove Reactor

 6/1/2006
 6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KPP	1033004	SECI	WPEK	25	11/1/2007	11/1/2016	12/1/2010	12/1/2019	\$ -	\$ -	\$ 2,019,063	\$ 312,357,996
									\$ -	٠.	\$ 2.019.063	\$ 312,357,996

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1033004	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	87,460	\$	1,143,58
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	11,895	\$	4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$	234,884	\$	7,520,00
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$	66,560	\$	2,200,00
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	570,635	\$	10,560,00
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	5,757	\$	153,11
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$	31,675	\$	1,143,58
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$	75,976	\$	3,100,00
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	49,961	\$	3,000,00
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	87,460 \$ 11,895 \$ 234,884 \$ 66,560 \$ 570,635 \$ 1,675 \$ 31,675 \$ 75,976 \$ 49,961 \$ 18,075 \$ 106,603 \$ 22,283 \$ 134,174 \$ 93,763 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$ 31,630 \$	850,00	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	106,603	31,675 \$ 1 75,976 \$ 3 49,961 \$ 3 18,075 \$ 06,603 \$ 61 4,309 \$ 2 22,283 \$ 5 34,174 \$ 1 93,763 \$ 36	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007 12/1/20 4/1/2007 12/1/20	12/1/2009	\$	4,309	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	22,283	\$	5,000,00
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$	134,174	\$	1,164,63
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	93,763	\$	36,377,17
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	16,300	\$	8,727,21
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	160,043	\$	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	48,572	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	32,903	\$	21,000,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	1,623	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	229,019	\$	90,000,00
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	1/2006 \$	16,593	\$	10,318,67
			Total	S	2.019.063	\$	312.357.99

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1033004	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

 Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

 Reservation
 Upgrade Name
 COD
 EOC

 1033004
 ARCADIA - REDBUD 345 KV CKT 2
 6/1/2006
 6/1/2006
 6/1/2006

 LACYGNE - WEST GARDNER 345KV CKT 1
 6/1/2006
 6/1/2006
 6/1/2006

 ARCADIA - REDBUD 345 KV CKT 1
 6/1/2006
 6/1/2006

 Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

 Reservation
 Upgrade Name
 COD
 EOC

 1033004
 Remove Reactor
 6/1/2006
 6/1/2006

 $\underline{\textbf{Table 2}} \text{ -} \textbf{Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade}$ 

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KPP	1032994	WR	WR	50	6/1/2007	6/1/2013	12/1/2010	11/30/2016	\$ -	\$ -	\$ 10,935,106	\$ 393,434,882
									•	£	\$ 10.935,106	\$ 393,434,882

	T			ΑII	ocated E & C		
Reservation	Upgrade Name	COD	EOC	7 (11	Cost	Tot	al E & C Cos
1032994	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	27,134	\$	1,000,000
1002004	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$	54,245	\$	1,900,000
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	173,188	\$	2.000.000
	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006			8,547	\$	50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015			28,624	\$	115.000
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007			677,438	\$	2.000.000
	BELOIT 115KV CAPACITOR	6/1/2008			4,226	\$	1,143,587
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007			7.636	\$	40.000
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2016				\$	1.650.000
	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	6/1/2016			63.901	S S	462.000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006			323.819	\$	4,100,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007				S S	500.000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	6/1/2006				\$	2.650.000
	CITY OF WELLINGTON - SUMINER COUNTY NO. 4 ROME 69RV CRT 1	6/1/2006			153.843	\$	900,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006			123,372	\$	7.520.000
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015			12.852	ş S	100.000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016			429,410	\$	3,800,000
	CRESWELL - OAK 69KV CKT 1	6/1/2006			13,815		143.000
	CRESWELL - DAN 69KV CKT 1				51.280		300,000
		6/1/2006					
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1  CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006				\$	2,750,000
	EEC -GRANT 138KV	6/1/2014					3,000,000 5,400,000
		6/1/2011				\$ €	
	ELLSWORTH 230KV TAP	6/1/2007				\$	10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007			195,064	\$	1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007			27,074	\$	150,000
	GRANT - CHISHOLM 138KV	6/1/2011				\$	1,100,000
	HARPER CAPACITOR	6/1/2006				\$	1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006			4,283	\$	20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010				\$	3,100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006			86,637	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	31,703	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	1,281	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	10,495	\$	5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$	44,608	\$	250,000
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$	256,404	\$	1,500,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$	16,752	\$	1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	34,838	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	6,946	\$	8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$		\$	
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$	208,307	\$	1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$	435,505	\$	2,300,000
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$	320,378		3,000,000
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$	347,798	\$	1,200,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	16,827	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$		\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	51,859	\$	21,000,000
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$	118,727	\$	600,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	720	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$		\$	90,000,000
l	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	5,974		10,318,679
	WELLINGTON CAPACITOR	6/1/2007	6/1/2007	\$	241,952		600,000
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$	653,096	\$	42,000,000
			Total	\$	10,935,106	\$	393,434,882

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1032994	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1032994	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	CRESWELL - OAK 69KV CKT 1	6/1/2011	6/1/2011
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2015	6/1/2015

Reservation	Upgrade Name	COD	EOC
1032994	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KPP	1032995	WPEK	WPEK	25	6/1/2007	6/1/2013	12/1/2010	11/30/2016	\$ -	\$ -	\$ 2,975,819	\$ 398,135,494
									\$ -	S -	\$ 2.975.819	\$ 398,135,494

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cos
1032995	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 160,977	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 17,569	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 241,214	\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 81,133	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 572,025	\$ 10,560,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$ 10,478	\$ 153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 38,610	\$ 1,143,587
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 74,528	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 57,543	\$ 3,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$ 3,247	\$ 100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 90,681	\$ 3,200,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 14,980	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 193,674	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 7,828	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 22,811	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 137,287	\$ 1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 78,166	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 23,901	\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 261,660	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 45,515	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 30,833	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 791	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 7,738	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 272,769	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 24,303	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 21,867	\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 480,712	\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 2,979	\$ 7,000,000
			Total	\$ 2.975.819	\$ 398,135,494

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1032995	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1032995	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006

Res	ervation	Upgrade Name	COD	EOC
1032	2995	Remove Reactor	6/1/2006	6/1/2006

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KPP	1033723	OPPD	WR	25	6/1/2006	6/1/2011	12/1/2010	12/1/2015	\$ -	\$ -	\$ 3,511,291	\$ 317,785,708
									¢	¢	\$ 3.511.291	\$ 317,785,708

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cos
1033723	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$ 4,290	\$ 50,000
	ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	6/1/2015	6/1/2015	\$ 14,444	\$ 115,000
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 288,291	\$ 2,000,000
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	10/1/2007	\$ 2,813	\$ 40,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 7,201	\$ 4,100,000
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 72,073	\$ 500,00
	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	6/1/2007	\$ 541,918	\$ 2,650,00
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$ 77,220	\$ 900,00
	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	6/1/2015	6/1/2015	\$ 7,084	\$ 100,00
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$ 6,934	\$ 143,000
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$ 25,739	\$ 300,000
	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	6/1/2006	2/1/2008	\$ 553,327	\$ 2,750,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$ 527,489	\$ 3,000,000
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$ 210,240	\$ 5,400,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 42,827	\$ 1,100,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 130,727	\$ 3,100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 27,835	\$ 3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 12,216	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 494	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 6,352	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 17,594	\$ 250,00
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$ 128,700	\$ 1,500,00
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 926	\$ 1,164,63
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 18,447	\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 3,638	\$ 8,727,21
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$ 101,834	\$ 1,500,000
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$ 213,415	\$ 2,300,00
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 163,314	\$ 3,000,00
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 43,992	\$ 10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 25,793	\$ 31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 17,473	\$ 21,000,00
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$ 58.041	\$ 600.00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 303	\$ 650.00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 52,135	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 3,172	\$ 10,318,67
	WELLINGTON CAPACITOR	6/1/2007	6/1/2007	\$ 103,000	
			Total		\$ 317,785,708

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1033723	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1033723	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	CRESWELL - OAK 69KV CKT 1	6/1/2011	6/1/2011
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2015	6/1/2015
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1033723	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

	l .	į į										
		j l									E & C Cost of	Total E & C Cost of
		1		Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
INDP	1033791	KCPL	INDN	50	6/1/2010			11/30/2040		\$ 15,840,000		\$ 8,950,000

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	IE & C Cost
1033791	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	137,510	\$	1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$	274,901	\$	1,900,000
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$	1,921	\$	50,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	388,573	\$	6,000,000
			Total	\$	802,905	\$	8,950,000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1033791	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011

Reservation	Upgrade Name	COD	EOC
1033791	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010

 $\underline{\textbf{Table 2}} \text{ -} \textbf{Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade}$ 

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
OMPA	1033930	CSWS	CSWS	29	5/1/2008	5/1/2028	12/1/2010	12/1/2030	\$ 5,220,000	\$ -	\$ 9,261,502	
OMPA	1033931	CSWS	CSWS	25	5/1/2008	5/1/2028	12/1/2010	12/1/2030	\$ -	\$ -	\$ 7,984,056	
									\$ -	S -	\$ 17.245.558	\$ 340.851.508

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tota	I E & C Cos
1033930	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$	93,543	\$	500,000
	ERCOTN-SPP DC Tie Expansion	5/1/2008	12/1/2010	\$	7,975,000	\$	55,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	387	\$	153,114
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2011	6/1/2011	\$	53,704	\$	100,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	282	\$	100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	10,428	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	187,087	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	7,562	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	17,877	\$	5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	5,850	\$	8,727,217
	Russell Switch Capacitor	6/1/2011	6/1/2011	\$	39,240	\$	75,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	16,040	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	27,624	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	18,713	\$	21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	14,438	\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	2,500	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	407,904	\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	211,857	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	37,285	\$	10,318,679
	WALTERS 69KV	6/1/2016	6/1/2016	\$	107,407	\$	200,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	26,774	\$	7,000,000
			Total	\$	9,261,502	\$ :	340,851,508
1033931	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$	80,642	\$	500,000
	ERCOTN-SPP DC Tie Expansion	5/1/2008	12/1/2010	\$	6,875,000	\$	55,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	334	\$	153,114
	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	6/1/2011	6/1/2011	\$	46,296	\$	100,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	243	\$	100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006		\$	8,991	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	(A)	161,287	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	6,519	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	(A)	15,412		5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	5,043		8,727,217
	Russell Switch Capacitor	6/1/2011	6/1/2011	(A)	33,827	\$	75,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	(A)	13,828	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	23,813	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	16,132	\$	21,000,000
•	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	12,446	\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	2,155		650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	351,635	\$	90,000,000
•	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	182,639	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	32,140	\$	10,318,679
	WALTERS 69KV	6/1/2016	6/1/2016	\$	92,593	\$	200,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	23,081	\$	7,000,000
			Total	\$	7.984.056		340.851.508

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1033930	Carter JCT Capcitor	6/1/2008	6/1/2008
	Snyder Capacitor	6/1/2016	6/1/2016
1033931	Carter JCT Capcitor	6/1/2008	6/1/2008
	Snyder Capacitor	6/1/2016	6/1/2016

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1033930	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008
1033931	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
OMPA	1034212	ERCOTN	EES	73	5/1/2008	5/1/2018	12/1/2010	11/30/2020		\$ 7,446,000	\$ 24,053,398	\$ 343,776,508

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1034212	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$	154,014	\$	3,800,000
	ERCOTN-SPP DC Tie Expansion	5/1/2008	12/1/2010	\$	20,075,000	\$	55,000,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	2,528	\$	153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	1,841	\$	100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	54,391	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	736,342	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	29,763	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	25,790	\$	5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	79,190	\$	8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	122,949	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	345,709	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	234,190	\$	21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	28,856	\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	8,874	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,361,596	\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	615,044	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	100,712	\$	10,318,679
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	76,609	\$	7,000,000
			Total	\$	24,053,398	\$	343,776,508

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034212	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016

Reservation	Upgrade Name	COD	EOC
1034212	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Ston Data	Start Date	Ston Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FUR	FUD	Alliount	Start Date	Stop Date	Start Date	Stop Date	Fulluling Allowable	Dase Rate	to customer	to customer
OMPA	1034207	ERCOTN	AMRN	73	5/1/2008			11/30/2020		\$ 7,446,000		

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Co
1034207	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$	209,104	\$	3,800,000
	ERCOTN-SPP DC Tie Expansion	5/1/2008	12/1/2010	\$	20,075,000	\$	55,000,000
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$	1,013	\$	50,00
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	2,632	\$	153,11
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	1,917	\$	100,00
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	51,546	\$	3,200,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	771,539	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	31,186	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	18,615	\$	5,000,00
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	87,774	\$	8,727,21
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	134,844	\$	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	406,909	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	275,648	\$	21,000,00
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	30,374	\$	10,318,67
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	8,579	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,291,115	\$	90,000,00
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	660,053	\$	23,158,81
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	107,732	\$	10,318,67
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	82,119	\$	7,000,00
			Total	\$	24.247.699	\$	343.826.50

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034207	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2016	6/1/2016

Reservation	Upgrade Name	COD	EOC
1034207	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number SPRM AG1-2006-061

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
SPRM	1034234	WR	SPA	25	7/1/2007	7/1/2027	6/1/2011	6/1/2031	\$ 450,000	\$ -	\$ 8,362,160	
										\$ 450,000	\$ -	\$ 8,362,160

				Alloc	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1034234	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	53,904	\$	2,000,000
	BROOKLINE - JUNCTION 161KV CKT 1	6/1/2015			1,000,000	\$	1,000,000
	CARTHAGE - SUB 109 - ATLAS JCT. 161KV CKT 1	6/1/2015			3,730,000	\$	3,730,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006				\$	4,100,000
	ELLSWORTH 230KV TAP	6/1/2007			458,982		10,560,000
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006				\$	50,000
	JAMES RIVER - SEMINOLE 69KV CKT 1	6/1/2010	6/1/2010	\$	1,600,000	\$	1,600,000
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016			801,421	\$	8,500,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	51,982	\$	3,000,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006			67,545	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009			\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	3,037	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		14,777	\$	5,000,000
	PLAINVILLE CAPACITOR	6/1/2008			31,540		1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	64,988	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	13,183	\$	8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008		-	\$	-
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	127,824	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	86,590	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	989	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010			\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	11,078	\$	10,318,679
	·		Total	\$	8,362,160	\$	306,327,708

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034234	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	KICKAPOO - SUNSET 69KV CKT 1	6/1/2011	6/1/2011
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	NEERGARD - NORTON 69KV CKT 1	6/1/2011	6/1/2011
	Nichols - Republic North	6/1/2016	6/1/2016
	NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011
	Republic North - Republic East	6/1/2016	6/1/2016
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation Upgrade Name COD EOC

1034234 Nichols St. Sub Bus - Nichols St. Sub 69KV 6/1/2015 6/1/2015

Reservation	Upgrade Name	COD	EOC
1034234	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number NTEC AG1-2006-062

Customer	Reservation	POR	POD	Requested Amount		Requested Stop Date			Potential Base Plan Funding Allowable			Total E & C Cost of Upgrades Assigned to Customer
NTEC	1037581	CSWS	CSWS	6	5/1/2006	5/1/2018	10/1/2007	10/1/2019	\$ 1,080,000	\$ -	\$ 6,554,078	
										\$ 1,080,000	\$ -	\$ 6.554.078

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cost
1037581	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$ 28,722	\$ 1,000,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$ 356	\$ 15,000
	BIG SANDY - HAWKINS 69KV CKT 1	6/1/2016	6/1/2016	\$ 2,750,000	\$ 2,750,000
	BIG SANDY - PERDUE 69KV CKT 1	6/1/2016	6/1/2016	\$ 2,700,000	\$ 2,700,000
	FOREST HILLS REC - MAGNOLIA TAP 69KV CKT 1	6/1/2016	6/1/2016	\$ 125,000	
	FOREST HILLS REC - QUITMAN 69KV CKT 1	6/1/2013	6/1/2013	\$ 250,000	\$ 250,000
	LONE STAR SOUTH - PITTSBURG 138KV CKT 1	6/1/2015	6/1/2015	\$ 300,000	\$ 300,000
	MAGNOLIA TAP - WINNSBORO 69KV CKT 1	6/1/2016	6/1/2016	\$ 400,000	\$ 400,000
			Total	\$ 6.554.078	\$ 7.540.000

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1037581	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	MINEOLA - NORTH MINEOLA 69KV CKT 1	6/1/2011	6/1/2011
	NORTHWEST HENDERSON - POYNTER 69KV CKT 1	6/1/2016	6/1/2016

Reservation Upgrade Name	COD	EOC
1037581 NORTH MINEOLA - WINNSBORO 69KV CKT 1	6/1/2006	6/1/2007

CUSTOMER Study Number UCU AG1-2006-063D

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
UCU	1034276	WR	MPS	50	6/1/2007	6/1/2027	6/1/2011	6/1/2031	\$ 900,000	\$ 19,332,000	\$ 3,563,851	
										\$ 900,000	\$ 19.332.000	\$ 3,563,851

				Alloca	ated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1034276	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	65,974	\$	1,000,000
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	141,082	\$	2,000,000
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006			234,925	\$	1,300,000
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$	317,780	\$	1,605,500
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006			12,061	\$	4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	896,609	\$	10,560,000
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$	10,415	\$	50,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008			103,199	\$	3,000,000
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2006			484,403		4,244,500
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	128,538	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	116,137	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009			\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		21,872	\$	5,000,000
	PLAINVILLE CAPACITOR	6/1/2008			65,288	\$	1,164,639
	Potter - Tolk 345KV	4/1/2007	4/1/2009		91,015		36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	18,463	\$	8,727,217
	RALPH GREEN 12MVAR CAPACITOR	6/1/2008	6/1/2008		304,494	\$	350,000
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$	-	\$	-
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	192,086	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	130,123	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		1,439	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010		207,731	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	15,523	\$	10,318,679
			Total	\$	3,563,851	\$	299,997,708

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation		COD	EOC
1034276	ANACONDA - FREEMAN 69KV CKT 1	6/1/2006	6/1/2008
	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	6/1/2006	12/1/2007
	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	EAST 20MVAR CAPACITOR	6/1/2011	6/1/2011
	JEC - SWISSVALE 345KV	6/1/2006	
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation Upgrade Name COD EOC

1034276 [ARCADIA - REDBUD 345 KV CKT 1 6/1/2006 6/1/2006

LACYGNE - WEST GARDNER 345KV CKT 1 6/1/2006 6/1/2006

ARCADIA - REDBUD 345 KV CKT 2 6/1/2006 6/1/2006

Reservation	Upgrade Name	COD	EOC
1034276	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number KEPC AG1-2006-066

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
	Reservation	POR	POD	Amount	Start Date	Ston Date	Start Date	Ston Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FUR	FOD	Alliount	Start Date	Stop Date	Start Date	Stop Date	I ulluling Allowable	Dase Nate	to Customer	to customer
KEPC	1034313	KCPL	WR	30	6/1/2011	6/1/2031					\$ 1,112,646	to customer

				Allocated E	& C		
Reservation	Upgrade Name	COD	EOC	Cost		Tot	al E & C Cos
103431	3 CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 44	019	\$	4,100,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016			826	\$	3,800,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014	6/1/2014	\$ 130	748	\$	3,000,000
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$ 51	412	\$	5,400,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011		473		1,100,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 9	716	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	393	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		133	\$	5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 10	749	\$	250,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	877	\$	8,727,217
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008		815		3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 4	965	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009		363	\$	21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 517	677	\$	6,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	139	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010			\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	789	\$	10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 78	590	\$	42,000,000
			Total	\$ 1,112	646	\$	299,695,896

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034313	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011

Reservation	Upgrade Name	COD	EOC
1034313	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number AEPM AG1-2006-067

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
		BOB	BOB	A	04 4 D - 4 -	O4 D - 4 -	Ctart Data	Cton Doto	Funding Allowable	D D - 4 -	4	4- 0
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
AEPM	1034259 Reservation	SPS	CSWS	Amount 80	9/1/2007	9/1/2028					\$ 8,373,888	to Customer

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1034259	ALUMAX TAP - BANN 138KV CKT 1	6/1/2007	4/1/2008	\$	228,286	\$	1,000,000
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012	\$	3,478		15,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	9,315		153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006			6,785		100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	212,607	\$	3,200,000
	MINGO CAPACITOR	6/1/2011			5,079		850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	2,406,560	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007			97,274		2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	179,347	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007			483,479		36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007			513,679	\$	8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$	-	\$	-
	SPEARVILLE - KINSLEY 115KV	6/1/2008			346,875		10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	624,423	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	422,996	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	16,617	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	2,580,385	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	236,703	\$	10,318,679
			Total	\$	8,373,888	\$	282,741,183

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034259	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2006	3/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008

 Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

 Reservation
 Upgrade Name
 COD
 EOC

 1034259 [ARCADIA - REDBUD 345 KV CKT 2
 6/1/2006
 6/1/2006

 ARCADIA - REDBUD 345 KV CKT 1
 6/1/2006
 6/1/2006

 LACYGNE - WEST GARDNER 345KV CKT 1
 6/1/2006
 6/1/2006

Reservation	Upgrade Name	COD	EOC	
1034259	Remove Reactor	6/1/2006	6/1/2006	

CUSTOMER Study Number KMEA AG1-2006-068

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KMEA	1034247	GRDA	WR	1	5/1/2010	5/1/2026						10 2001011101

				Allocated E & C		
Reservation	Upgrade Name	COD	EOC	Cost	Tot	al E & C Cos
1034247	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 6,413	\$	890,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 40,864	\$	4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006			\$	7,520,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 2,910	\$	3,800,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008			10,560,000
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016			\$	8,500,000
	MINGO CAPACITOR	6/1/2011	6/1/2011		\$	850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		\$	5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 423	\$	1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		\$	8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008			\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 2,022	\$	21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009		\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010		\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 2,007	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		\$	10,318,679
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 245	\$	7,000,000
			Total	\$ 222,228	\$	318,908,033

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
103424	7 Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1034247	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	SUB 110 - ORONOGO JCT SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034247	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number KCPS AG1-2006-070

				Requested							Upgrades Allocated	Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KCPS	1034307	KCPL	EES	103	6/1/2006	6/1/2007	10/1/2007	9/30/2008	\$ -	\$ 1,050,600	\$ 139,723	
										\$ -	\$ 1,050,600	\$ 139 723

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cost
1034307	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 135,979	\$ 1,605,500
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2006	6/1/2007	\$ 3,744	\$ 50,000
			Total	¢ 130 723	\$ 1655 500

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number KCPS AG1-2006-071

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KCPS	AG1-2006-071	1034311	KCPL	WR	52	6/1/2006	6/1/2007	12/1/2010	12/1/2011	\$ -	\$ 811,200	\$ 7,659,238
										\$ -	\$ 811,200	\$ 7,659,238

				Allocated E & C		
Reservation	Upgrade Name	COD	EOC	Cost	Tot	al E & C Co
103431	1 BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 76,858	\$	1,143,58
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 71,191	\$	1,605,50
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$ 28,372	\$	7,520,00
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 128,453	\$	2,200,00
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 257,013	\$	10,560,00
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K	6/1/2011	6/1/2011	\$ 947,384	\$	3,000,00
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 67,298	\$	1,143,58
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 64,372	\$	3,100,00
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 372,449	\$	3,000,00
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 100,945	\$	850,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 6,433	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 43,569	\$	5,000,00
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 34,852	\$	8,727,2
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 518,060	\$	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 334,380	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 226,515	\$	21,000,00
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 6,914	\$	10,318,67
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 2,484	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 412,904	\$	90,000,00
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 192,529	\$	23,158,81
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 30,272	\$	10,318,67
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 3,553,056	\$	42,000,00
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 23,774	\$	7,000,00
			Total	\$ 7,659,238	\$	357 646 0

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034311	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

Reservation	Upgrade Name	COD	EOC
1034311	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006
	RULETON 115KV CAPACITOR	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number KCPS AG1-2006-072

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Ston Date	Start Date	Ston Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FOR	FOD	Aillouit	Otal t Date	Otop Date			I dilding Allowable	Dusc Rute	to oustonici	
KCPS	1034312	KCPL	WR	25	6/1/2006	6/1/2007				\$ 390,000		to oustomer

				Allocated E & C		
Reservation	Upgrade Name	COD	EOC	Cost	Tota	I E & C Cos
103431	2 ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2006	11/1/2006	\$ 19,730	\$	50,000
	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 465,967	\$	2,000,000
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 41,621	\$	1,605,50
	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	12/1/2007	12/1/2007	\$ 116,492	\$	500,00
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2006	6/1/2007	\$ 355,151	\$	900,00
	CRESWELL - OAK 69KV CKT 1	6/1/2006	6/1/2007	\$ 31,893	\$	143,00
	CRESWELL - PARIS 69KV CKT 1	6/1/2006	6/1/2007	\$ 118,380	\$	300,00
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$ 391,691	\$	5,400,00
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 13,585	\$	10,560,00
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 20,878	\$	850,00
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$ 79,789	\$	1,100,00
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 52,061	\$	3,200,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 10,993	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 444	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 8,329	\$	5,000,00
	OAK - RAINBOW 69KV CKT 1	6/1/2006	2/1/2007	\$ 591,918	\$	1,500,00
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 15,328	\$	36,377,17
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,886	\$	8,727,21
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$	
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	6/1/2006	6/1/2007	\$ 370,692	\$	1,500,00
	RICHLAND - UDALL 69KV CKT 1	6/1/2007	5/1/2008	\$ 834,121	\$	2,300,00
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 388,148	\$	3,000,00
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 4,751	\$	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 37,075	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 25,115	\$	21,000,00
	TIMBER JUNCTION - UDALL 69KV CKT 1	7/1/2007	7/1/2007	\$ 211,280	\$	600,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 289	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 50,962	\$	90,000,00
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,657	\$	10,318,67
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 7,660	\$	1,500,00
	WELLINGTON CAPACITOR	6/1/2007	6/1/2007		\$	600,00
	•	•	Total	\$ 4,422,353	\$ 3	315.031.56

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Expandion in	The requested deriving to containing the aport completion of the following approach. Good to not about	gridble to the	o tranomiooio
Reservation	Upgrade Name	COD	EOC
1034312	Carter JCT Capcitor	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

erealie may be required for the remaining network applicated another to transmission eacterned in provided aggregate etc									
Reservation	Upgrade Name	COD	EOC						
1034312	BELL - PECK 69KV CKT 1	6/1/2007	6/1/2007						
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007						
	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007						
	CRESWELL - OAK 69KV CKT 1	6/1/2011	6/1/2011						
	MIDIAN (MIDIAN1X) 138/69/13,2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007						

Reservation	Upgrade Name	COD	EOC
1034312	GILL ENERGY CENTER WEST - PECK 69KV	6/1/2006	6/1/2007
	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2006	6/1/2007

CUSTOMER Study Number
UCU AG1-2006-073D

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
UCU	1034409	SECI	WPEK	150	1/1/2011	1/1/2041	1/1/2011	1/1/2041	\$ 27,000,000	\$ 52,812,000	\$ 11,940,530	

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	tal E & C Cos
1034409	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	502,173	\$	4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006			4,408,584	\$	7,520,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	367,452	\$	10,560,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$	1,093,168	\$	3,100,000
	MINGO CAPACITOR	6/1/2011			87,804		850,000
	Mooreland - Potter 345 kV SPS	4/1/2007			358,674	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	14,498	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007			126,634		5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$	142,230	\$	1,164,639
	Potter - Tolk 345KV	4/1/2007			566,323	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007			169,592	\$	8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	427,274	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		450,916		31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	305,459	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	10,596	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,218,308	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	84,472	\$	10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$	1,606,373	\$	42,000,000
	·		Total	\$	11,940,530	\$	346,717,708

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034409	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1034409	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

 Reservation
 Upgrade Name
 COD
 EOC

 1034409 Remove Reactor
 6/1/2006
 6/1/2006
 6/1/2006

CUSTOMER Study Number TEXL AG1-2006-074

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point		Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount					Funding Allowable		to Customer	to Customer
TEXL	1034399	CSWS	ERCOTE	25	1/1/2007	1/1/2018	12/1/2010	11/30/2021	\$ 1,800,000	\$ 3,465,000	\$ 24,007,854	
									\$ 1,800,000	\$ 3,465,000	\$ 24,007,854	\$ 24,015,000

				Allocated E & C		
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C	Cost
1034399	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2010	6/1/2010	\$ 7,854	\$ 15	5,000
	SPP-ERCOTE DC Tie Expansion	1/1/2007	12/1/2010	\$ 24,000,000	\$ 24,000	,000
			Total	\$ 24,007,854	\$ 24,015	,000

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number KMEA AG1-2006-075

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Ston Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation			Amount	Otal t Date						to oustonici	
KMEA	1037590		WR	1	6/1/2006	6/1/2026			<u> </u>			to Guotomoi

Reservation	Upgrade Name	COD	EOC		Total E & C Cos
	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006			
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008			
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016			
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K	6/1/2011			\$ 3,000,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 369	\$ 1,143,587
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016			
	Mooreland - Potter 345 kV SPS	4/1/2007			
	Mooreland - Potter 345 kV WFEC	4/1/2007			
	Mooreland 345/138 kV Transformer	4/1/2007			
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007			
	SPEARVILLE - KINSLEY 115KV	6/1/2008			
	Spearville - Mooreland 345 kV SUNC	4/1/2007			
	Spearville - Mooreland 345 kV WFEC	4/1/2007			\$ 21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008			
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007			\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007			
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010		
	Tuco - Tolk 345kV	4/1/2007	12/1/2009		\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007			\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006			\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 296	\$ 7,000,000
			Total	\$ 395,443	\$ 349,056,981

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1037590	Carter JCT Capcitor	6/1/2008	6/1/2008
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

	ordate may be required for the following network approace an early adolgrica to transmission eacternore in provided aggregate study.										
Reservation	Upgrade Name	COD	EOC								
1037590	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015								
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006								
	SUB 110 - ORONOGO JCT SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011								
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006								
	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015								
	ARCADIA - REDRUD 345 KV CKT 1	6/1/2006	6/1/2006								

Reservation	Upgrade Name	COD	EOC				
1037590	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009				
	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007				
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008				
	Remove Reactor	6/1/2006	6/1/2006				

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number KMEA AG1-2006-076

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KMEA	1037591	GRDA	WPEK	1	6/1/2006	6/1/2026	12/1/2010	12/1/2030	\$ 180,000	\$ 234,720	\$ 331,095	
RIVIEA	103/591	GRDA	WEEK		0/1/2000	0/1/2020	12/1/2010	12/1/2000	ψ 100,000	Ψ 234,720	Ψ 331,033	

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cos
1037591	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$ 6,413	\$ 890,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 12,061	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006			
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$ 2,893	\$ 3,800,000
	ELLSWORTH 230KV TAP	6/1/2007			\$ 10,560,000
	HARPER CAPACITOR	6/1/2006			
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$ 136,865	\$ 8,500,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010			
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 935	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 311	
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 2,016	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 81	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 471	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 1,704	\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		\$ 8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008			
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 3,828	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 2,593	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009		\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 33	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 5,000	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 2,389	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 378	\$ 10,318,679
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 296	\$ 7,000,000
	WASHINGTON 1800 KVAR CAPACITOR	6/1/2007	6/1/2007	\$ 37,500	\$ 75,000
			Total	\$ 331.095	\$ 326,226,620

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1037591	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1037591	SUB 110 - ORONOGO JCT SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011
	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015

Reservation	Upgrade Name	COD	EOC
1037591	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009
	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number SPSM AG1-2006-078

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
SPSM	1034444	OKGE	SPS	265	6/1/2009	6/1/2029	12/1/2010	12/1/2030	\$ -	\$101,760,000	\$ 72,759,804	
									\$ -	\$101,760,000	\$ 72,759,804	\$ 410,357,539

				Allocated E & C	
Reservation Upgrade Name		COD	EOC	Cost	Total E & C Cost
1034444 ALTUS JUNCTION 69KV Capacit	or	6/1/2011	6/1/2011	\$ 133,232	\$ 500,000
BELOIT 115KV CAPACITOR		6/1/2008	6/1/2008	\$ 62,620	\$ 1,143,587
CANADIAN - CEDAR LANE 138K	V CKT 1	6/1/2012	6/1/2012	\$ 14,756	\$ 50,000
CHAVES 230kV SVC		6/1/2008			\$ 10,400,000
CHAVES CO 345kV Tap		6/1/2008			
Chickasaw Capacitors & Tower H		6/1/2016			
CUNNINGHAM STATION 230/11	5KV TRANSFORMER CKT 1	12/1/2007	1/1/2008		
ELLSWORTH 230KV TAP		6/1/2007	6/1/2008		\$ 10,560,000
FAIRMONT TAP - WOODRING 1:		6/1/2011	6/1/2011		
LEA COUNTY INTERCHANGE 23		10/1/2007	1/1/2008		\$ 3,000,010
LEA COUNTY INTERCHANGE 23	30KV CAPACITORS	6/1/2008			\$ 1,381,023
Mooreland - Potter 345 kV SPS		4/1/2007	12/1/2009		\$ 61,850,000
Mooreland - Potter 345 kV WFEC		4/1/2007	12/1/2009		\$ 2,500,000
Mooreland 345/138 kV Transform		4/1/2007	12/1/2009		
Mustang-San Andr-Amerada Hess		6/1/2008	6/1/2008		
PARK LANE - SEMINOLE 138KV	CKT 1	6/1/2015			
Potter - Tolk 345KV		4/1/2007	4/1/2009		
	GE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		\$ 8,727,217
Spearville - Mooreland 345 kV SU		4/1/2007	12/1/2009		\$ 31,000,000
Spearville - Mooreland 345 kV WF		4/1/2007	12/1/2009		\$ 21,000,000
TOLK INTERCHANGE 345/230 T	RANSFORMER CKT 2	4/1/2007	4/1/2009		\$ 10,318,679
Tuco - Northwest 345kV OKGE		4/1/2007	12/1/2010		
Tuco - Northwest 345kV SPS		4/1/2007	12/1/2010		\$ 90,000,000
Tuco - Tolk 345kV		4/1/2007	12/1/2009		\$ 23,158,819
TUCO INTERCHANGE 345/115K		4/1/2007	4/1/2009		
WAUKOMIS TAP - WOODRING 1	38KV CKT 1	6/1/2010			
Wichita - Reno Co 345KV	·	6/1/2006	12/1/2010		\$ 42,000,000
Wolfforth - Carlisle 230kV	·	4/1/2007	4/1/2009	\$ 2,209,002	\$ 7,000,000
<del></del>			Total	\$ 72,759,804	\$ 410,357,539

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034444	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008
	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	6/1/2007	6/1/2008
	Carter JCT Capcitor	6/1/2008	6/1/2008
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008
	SNANDR3 115KV	6/1/2008	6/1/2008

CUSTOMER Study Number SPSM AG1-2006-079

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
SPSM	1034443	OKGE	SPS	265	6/1/2008	6/1/2028	12/1/2010	12/1/2030	\$ 47,700,000	\$101,760,000	\$ 74,158,184	
_									\$ 47,700,000	\$101 760 000	\$ 74 158 184	\$ 413,701,126

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cos
1034443	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 133,232	\$ 500,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 76,285	\$ 1,143,587
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2012	6/1/2012	\$ 14,756	\$ 50,000
	CHAVES 230kV SVC	6/1/2008	6/1/2008	\$ 5,472,417	\$ 10,400,000
	CHAVES CO 345kV Tap	6/1/2008			\$ 26,139,450
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016			\$ 90,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 274,971	\$ 2,200,000
	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007	1/1/2008	\$ 1,399,241	\$ 3,000,010
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008		\$ 10,560,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 394,325	\$ 850,000
	HARPER CAPACITOR	6/1/2006	6/1/2007		\$ 1,143,587
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008	\$ 1,427,309	\$ 3,000,010
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	6/1/2008	6/1/2008	\$ 726,686	\$ 1,381,023
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		\$ 5,000,000
	Mustang-San Andr-Amerada Hess 115KV	6/1/2008	6/1/2008		\$ 1,742,892
	PARK LANE - SEMINOLE 138KV CKT 1	6/1/2015			\$ 100,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009		\$ 36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		\$ 8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,131,377	\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 3,437,017	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 13,735,404	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 8,207,361	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,461,376	\$ 10,318,679
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010			
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010		\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 2,209,002	\$ 7,000,000
			Total	\$ 74,158,184	\$ 413,701,126

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034443	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008
	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	6/1/2007	6/1/2008
	Carter JCT Capcitor	6/1/2008	6/1/2008
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008
	SNANDR3 115KV	6/1/2008	6/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation Upgrade Name COD EOC 1034443 CACHE - SNYDER 138KV CKT 1 6/1/2008 6/1/2008

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation Upgrade Name
1034443 Remove Reactor COD EOC 6/1/2006

CUSTOMER Study Number AG1-2006-080 SPSM

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
SPSM	1034456	SPS	EES	50	6/1/2006	6/1/2007	12/1/2010	12/1/2011	\$ -	\$ 510,000	\$ 2,586,008	
									\$ -	\$ 510,000	\$ 2,586,008	\$ 133,927,217

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1034456	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	156,026	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	1,397,702	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	56,496	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	92,535	\$	5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007			166,686	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	424,465	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	287,541	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	4,557	\$	650,000
			Total	\$	2 586 008	4	133 927 217

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number SPSM AG1-2006-081

				Requested								Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
SPSM	1034516	CSWS	SPS	50	1/1/2007		12/1/2010					
SPSM	1034517	CSWS	SPS	15	1/1/2007	1/1/2012	12/1/2010	12/1/2015	\$ 2,700,000	\$ 1,440,000	\$ 4,149,912	
									\$ 11,700,000	\$ 6,240,000	\$ 17,982,868	\$ 412,611,126

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cost
	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 24,162	
1001010	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008		
	CHAVES 230kV SVC	6/1/2008	6/1/2008		
	CHAVES CO 345kV Tap	6/1/2008	6/1/2008		
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008		
	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007	1/1/2008		
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008		
	HARPER CAPACITOR	6/1/2006	6/1/2007		
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008		
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	6/1/2008	6/1/2008		
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		
	Mustang-San Andr-Amerada Hess 115KV	6/1/2008	6/1/2008		
	Potter - Tolk 345KV	4/1/2007	4/1/2009		
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		
		4/1/2007	12/1/2009		
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		
	Spearville - Mooreland 345 kV WFEC				
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009		
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010		
	Tuco - Tolk 345kV	4/1/2007	12/1/2009		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010		
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 884,118	
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 410,032	
	ALTERIO HANGTION CONT.	01110011	Total	\$ 13,832,956	
1034517	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011		
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008		
	CHAVES 230kV SVC	6/1/2008	6/1/2008		
	CHAVES CO 345kV Tap	6/1/2008	6/1/2008		
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008		
	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007	1/1/2008		
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008		
	HARPER CAPACITOR	6/1/2006	6/1/2007		
	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008		
	LEA COUNTY INTERCHANGE 230KV CAPACITORS	6/1/2008	6/1/2008		
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 425,510	
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		
	Mustang-San Andr-Amerada Hess 115KV	6/1/2008	6/1/2008		
	Potter - Tolk 345KV	4/1/2007	4/1/2009		
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009		
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009		
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010		
	Tuco - Tolk 345kV	4/1/2007	12/1/2009		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010		
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010		
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009		\$ 7,000,000
					\$ 412,611,126

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number SPSM AG1-2006-081

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034516	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008
	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	6/1/2007	6/1/2008
	Carter JCT Capcitor	6/1/2008	6/1/2008
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008
	SNANDR3 115KV	6/1/2008	6/1/2008
1034517	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2008
	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	6/1/2007	6/1/2008
	Carter JCT Capcitor	6/1/2008	6/1/2008
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008
	SNANDR3 115KV	6/1/2008	6/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1034516	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	CACHE - SNYDER 138KV CKT 1	6/1/2008	
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	
1034517	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	CACHE - SNYDER 138KV CKT 1	6/1/2008	
	EAST CENTRAL HENRYETTA - OKMULGEE 138KV CKT 1	12/1/2006	12/1/2006
	EAST CENTRAL HENRYETTA - WELEETKA 138KV CKT 1	6/1/2007	6/1/2007
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009

Reservation	Upgrade Name	COD	EOC
1034516	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006
1034517	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number MIDW AG1-2006-082

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
MIDW	1034589	WR	WR	10	1/1/2007		12/1/2010				\$ 1,667,690	
MIDW	1034590	WR	WR	25	1/1/2007	1/1/2012	12/1/2010	12/1/2015	\$ 4,500,000	\$ -	\$ 4,169,034	
									\$ 6,300,000	\$ -	\$ 5,836,724	\$ 366,025,207

Repertation   Upgrade Name					Allegated F 0 C	
BEIOT 118FV CARPATON JUNCTION 118FV CKT 1	Reservation	Lingrade Name	COD	FOC	Allocated E & C	Total F & C Cost
BELOTI 118V CAPACITOR  GIRLECULLE .NIG. DELILI, M. M. COOP 118V CKT 1  101/2006  GLAY CENTER .GREENLEAT 118V CKT 1  61/2006  GLAY CENTER .GREENLEAT 118V CKT 1  61/2007  GLAY CENTER .GREENLEAT 118V CKT 1  61/2007  GLAY CENTER .GREENLEAT 118V CKT 1  61/2007  GLAY CENTER .GREENLEAT 118V CKT 1  61/2007  GLEENREY CENTER .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .GREENLEAT .G						
CLAY CENTER: GREENLEAF I ISKY CKT 1			6/1/2008			
CLEARWY-GILL ENRERCY CENTER WEST 138KY CRT		CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006		\$ 31,653	\$ 4,100,000
ELISWORTH 230KV TAP  FORT_JUNCTION SYNCHONG STATION - MCDOWELL CREEK SWITCHING STATION 1196 (1/2017) 6-1/2007 18 - 214,531 3,000,000  GILL ENREGY CENTER EAST - MALCIZ1890 98KY CKT 1 6-1/2007 6-1/2007 3 5,716 3 1,100,000  GILL ENREGY CENTER EAST - MALCIZ1890 98KY CKT 1 6-1/2007 6-1/2007 3 5,716 3 1,100,000  HOOK JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2007 6-1/2007 3 5,716 3 1,100,000  HOOK JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2007 6-1/2007 12-1/2008 5 5,761 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2010 6-1/2008 12-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2010 6-1/2008 6-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2010 6-1/2008 6-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2010 6-1/2008 6-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2010 6-1/2008 6-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2010 6-1/2008 6-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2008 6-1/2008 6-1/2008 6-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2008 6-1/2008 6-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2008 6-1/2008 1-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2008 6-1/2008 1-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2008 6-1/2008 1-1/2008 5 1,300,000  MRIOC JCT - TECUMSEH ENREGY CENTER 119KV CKT 1 6-1/2008 6-1/2008 5 1,300,000  PLANVILLE CENTER 119KV CKT 1 6-1/2008 6-1/2008 5 1,300,000  PLANVILLE CENTER 119KV CKT 1 6-1/2008 6-1/2008 5 1,300,000  SPEARVILLE - KING HUNG CENTER 2011 SERVICE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE ST						
FORT_JUNCTION SWITCHING STATION - MCDOWRELL CREEK SWITCHING STATION 1159K 61/12071 61/12071 8 - 12,4531 \$ 3,000,000						
GILL ENREGY CENTER EAST - GILLCTG89.0 86W CKT 1						
GILL ENREGY CENTER EAST - MACARTHUR 680Y CKT 1						
HARPERC CAPACITOR HONOUT STEUDUNE ENDERGY CENTER 115KV CKT 1 6/1/2006 12/1/2006 5.568 8.20.000 KELLY - SOUTH SENECA 115KV CKT 1 6/1/2006 16/1/2010 6.0693 1 3.100.000 KRILLY - SOUTH SENECA 115KV CKT 1 6/1/2006 6/1/2010 6.093 1 3.100.000 KROLL 230/115KY TRANSFORMER CKT 2 6/1/2006 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/2010 1 6/1/201						
HOOK_JCT_TECUMSEH EMERGY CENTER 115KV CKT 1						
KELLY - SOUTH SENECA 115KV CKT 1						
MINGO CAPACTOR						
MINGO CAPACITOR						
Mooreland - Potter 345 kW SPS						
Mooreland - Potter 346 kV WFEC						
Mooreland 345/138 IA/ Transformer						
PLAINVILLE CAPACITOR POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13 ZKV TRANSFORMER CKT 1 41/2008   61/2008   63/14   87/27/217 REDISPATCH FOR WOLF CREEK OUTAGE OTWP REDISPATCH FOR WOLF CREEK OUTAGE OTWP 12/17/2007   41/2008   5 - 5 - 1/200,000 SPEARVILLE - KINSLEY 115KV SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 61/2008   61/2008   5 - 50,927   5 - 1/200,000 SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE - KINSLEY 115KV SPEARVILLE						
POTTER COUNTY INTERCHANGE (POTTR CO) 34523013 XV TRANSFORMER CKI 1						
REDISPATCH FOR WOLF CREEK ÖUTAGE DYWP  SOUTHWEST LAWRENCE - WARARUSA JUNCTION SWITCHING STATION 115KV CKT 1 6/1/2008 6/1/2008 5 50,927 \$ 1,200,000  SPEARVILLE - KINSLEY 115KV  6/1/2007 12/1/2009 \$ 60,398 \$ 1,000,000  Spearville - Mooreland 345 KV WIFC  4/1/2007 12/1/2009 \$ 60,398 \$ 1,000,000  Spearville - Mooreland 345 KV WIFC  4/1/2007 12/1/2009 \$ 60,398 \$ 1,000,000  TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2 4/1/2007 12/1/2009 \$ 40,915 \$ 21,000,000  TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2 4/1/2007 12/1/2010 \$ 52,75 \$ 660,000  Tuco - Northwest 345KV OKGE 4/1/2007 12/1/2010 \$ 77,228 \$ 90,000,000  Tuco - Northwest 345KV SPS 4/1/2007 12/1/2010 \$ 77,228 \$ 90,000,000  Tuco - Tolk 345KV 4/1/2007 12/1/2010 \$ 77,228 \$ 90,000,000  Tuco - Tolk 345KV 4/1/2007 12/1/2010 \$ 55,250 \$ 10,318,679 \$ 10,000  Wildrian - Reno Co 345KV 6/1/2007 12/1/2010 \$ 55,250 \$ 10,318,679 \$ 10,000  Wildrian - Reno Co 345KV 6/1/2007 12/1/2007 12/1/2009 \$ 5,550 \$ 10,318,679 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$ 10,000 \$		PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$ 783	\$ 1,164,639
SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 6/1/2008 6/1/2008 \$ 5,939 \$ 1,000,000 SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVILLE - KINISLEY 115KV SPEARVI		POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 6,374	\$ 8,727,217
SPEARVILLE - KINSLEY 115KV						
Spearville - Mooreland 345 kV WFEC						
Spearville - Mooreland 345 kV WFEC						
TOLK INTERCHANGE 346/230 TRANSFORMER CKT 2 41/2007 121/2010 \$ 1,271 \$ 10,318.679 Tuco - Northwest 346KV ACC 41/2007 121/2010 \$ 27 \$ 8 680,000 Tuco - Northwest 346KV ACC 41/2007 121/2010 \$ 37,288 \$ 90,000,000 Tuco - Tolk 346KV ACC 41/2007 121/2010 \$ 37,288 \$ 90,000,000 Tuco - Tolk 346KV ACC 41/2007 121/2010 \$ 37,288 \$ 90,000,000 Tuco - Tolk 346KV ACC 41/2007 121/2010 \$ 37,288 \$ 90,000,000 Tuco - Tolk 346KV ACC 41/2007 121/2010 \$ 69,331 \$ 42,000,000 Wolfforth - Carlisle 230kV 61/2006 121/2010 \$ 69,331 \$ 42,000,000 Wolfforth - Carlisle 230kV 41/2007 41/2009 \$ 5,555 \$ 10,318.679 Tuco - Tolal \$ 1,667,690 \$ 3,660,252,207 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,667,690 \$ 3,660,252,207 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,000,000 Tolal \$ 1,272,007 \$ 62,095 \$ 7,200,000 Tolal \$ 1,272,007 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7,220 \$ 7						
Tuco - Northwest 345KV OKGE  Tuco - Northwest 345KV OKGE  Tuco - Northwest 345KV SPS  4/1/2007 12/1/2010 \$ 527 \$ 550,000,000 Tuco - Tolk 345KV  4/1/2007 12/1/2010 \$ 77.288 \$ 90,000,000 Tuco - Tolk 345KV  4/1/2007 12/1/2009 \$ 35.290 \$ 2.31.58.819  TUCO INTERCHANGE 345/15KV TRANSFORMER CKT 1						
Tuco - Tok 345KV SPS  Tuco Title 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tok 345KV  Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco - Tuco						
TUGO INTERCHANGE 345/115KV TRANSFORMER CKT 1						
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1						
Wichita - Reno Co 345KV						
Wolfforth - Carlisle 230kV						
Total   \$ 1,667,690   \$ 366,025,207						
1034590   STTH & WAVERLY - CAPTAIN JUNCTION 115kV CKT 1						
CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1				lotai	3 1.007.090	\$ 366.025.207
CLAY CENTER - GREENLEAF 115KV CKT 1	1034590	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007			
CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	1034590			12/1/2007	\$ 62,095	\$ 2,000,000
ELLSWORTH 230KV TAP FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K 6/1/2011 6/1/2011 \$ 536,251 \$ 3,000,000 GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1 6/1/2007 6/1/2007 6/1/2007 \$ 105,535 \$ 1,100,000 GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 6/1/2007 6/1/2007 7 14,294 \$ 150,000 HARPER CAPACITOR 6/1/2007 6/1/2007 \$ 14,294 \$ 150,000 HARPER CAPACITOR 6/1/2007 6/1/2007 \$ 14,294 \$ 150,000 HARPER CAPACITOR 6/1/2006 5 1,395 \$ 20,000 KELLY - SOUTH SENECA 115KV CKT 1 6/1/2006 12/1/2006 \$ 1,395 \$ 20,000 KELLY - SOUTH SENECA 115KV CKT 1 6/1/2006 12/1/2006 \$ 1,395 \$ 20,000 MINGO CAPACITOR 6/1/2007 16/1/2008 189,112 \$ 3,000,000 MINGO CAPACITOR 6/1/2007 16/1/2009 \$ 189,112 \$ 3,000,000 MINGO CAPACITOR 6/1/2007 12/1/2009 \$ 63,989 \$ 61,850,000 Mooreland - Potter 345 kV WFEC 4/1/2007 12/1/2009 \$ 63,989 \$ 61,850,000 Mooreland - Potter 345 kV WFEC 4/1/2007 12/1/2009 \$ 2,586 \$ 2,500,000 Mooreland - NORTHEAST PARSONS 138KV CKT 1 6/1/2015 6/1/2015 6/1/2016 \$ 1,955 \$ 5,000,000 MEGSHO - NORTHEAST PARSONS 138KV CKT 1 6/1/2016 6/1/2008 \$ 1,958 \$ 1,958 \$ 1,164,639 POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1 4/1/2007 4/1/2008 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,937 \$ 8,727,217 REDISPATCH FOR WOLF CREEK OUTAGE 07WP 12/1/2007 12/1/2009 \$ 15,93	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	6/1/2008 10/1/2006	12/1/2007 6/1/2008 6/1/2009	\$ 62,095 \$ 38,431 \$ 79,132	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000
FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K 6/1/2011 6/1/2007 5 36,251 \$ 3,000,000 GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1 6/1/2007 6/1/2007 6/1/2007 \$ 105,535 \$ 1,100,000 GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 6/1/2007 6/1/2007 \$ 14,294 \$ 150,000 HARPER CAPACITOR 6/1/2007 6/1/2008 6/1/2007 \$ 37,582 \$ 1,143,587 HOOK JGT - TECUMSEH ENERGY CENTER 115KV CKT 1 6/1/2006 6/1/2006 6/1/2007 \$ 37,582 \$ 1,143,587 HOOK JGT - TECUMSEH ENERGY CENTER 115KV CKT 1 6/1/2006 6/1/2006 6/1/2007 \$ 37,582 \$ 1,143,587 HOOK JGT - TECUMSEH ENERGY CENTER 115KV CKT 1 6/1/2006 6/1/2006 6/1/2008 \$ 1,395 \$ 20,000 KELLY - SOUTH SENECA 115KV CKT 1 6/1/2006 6/1/2008 6/1/2008 \$ 1,395 \$ 20,000 KELLY - SOUTH SENECA 115KV CKT 1 6/1/2008 6/1/2008 6/1/2008 \$ 189,112 \$ 3,000,000 MINGO CAPACITOR 6/1/2008 6/1/2008 6/1/2008 \$ 189,112 \$ 3,000,000 MOOREIAN - Potter 345 KV SPS 4/1/2007 12/1/2009 \$ 63,989 \$ 61,850,000 MOOREIAN - Potter 345 KV WFEC 4/1/2007 12/1/2009 \$ 63,989 \$ 61,850,000 MOOREIAN - Potter 345 KV WFEC 4/1/2007 12/1/2009 \$ 2,2568 \$ 2,500,000 MOOREIAN - Potter 345 KV WFEC 4/1/2007 12/1/2009 \$ 2,2568 \$ 2,500,000 MOOREIAN - Potter 345 KV WFEC 4/1/2007 12/1/2009 \$ 2,2568 \$ 2,500,000 MOOREIAN - Potter 345 KV WFEC 4/1/2007 12/1/2009 \$ 2,2569 \$ 5,000,000 MOOREIAN - POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13,2KV TRANSFORMER CKT 1 4/1/2007 12/1/2009 \$ 1,958 \$ 1,164,639 POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13,2KV TRANSFORMER CKT 1 4/1/2007 4/1/2008 \$ 1,958 \$ 1,164,639 POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13,2KV TRANSFORMER CKT 1 4/1/2007 4/1/2008 \$ 1,958 \$ 1,164,639 POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13,2KV TRANSFORMER CKT 1 4/1/2007 4/1/2008 \$ 1,958 \$ 1,164,639 POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13,2KV TRANSFORMER CKT 1 4/1/2007 4/1/2008 \$ 1,958 \$ 1,164,639 POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13,2KV TRANSFORMER CKT 1 4/1/2007 4/1/2009 \$ 1,953 \$ 1,164,639 POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13,2KV TRANSFORMER CKT 1 4/1/2007 4/1/2009 \$ 1,953 \$ 1,164,	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008 10/1/2006 6/1/2006	12/1/2007 6/1/2008 6/1/2009 6/1/2007	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000
GILL ENERGY CENTER EAST - GILLJCT269,0 69KV CKT 1	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008 10/1/2006 6/1/2006 6/1/2008	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2008	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000
GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1 ELLSWORTH 230KV TAP	6/1/2008 10/1/2006 6/1/2008 6/1/2007	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2008 6/1/2008	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000
HAPPER CAPACITOR	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1 ELLSWORTH 230KV TAP FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV	6/1/2008 10/1/2006 6/1/2006 6/1/2008 6/1/2007 6/1/2011	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2008 6/1/2008 6/1/2011	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000 \$ 3,000,000
HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1 ELLSWORTH 230KV TAP FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K' GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2008 10/1/2006 6/1/2008 6/1/2008 6/1/2007 6/1/2011 6/1/2007	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2008 6/1/2008 6/1/2011 6/1/2007	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000 \$ 3,000,000 \$ 1,100,000
KELLY - SOUTH SENECA 115KV CKT 1	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KY  GILL ENERGY CENTER EAST - GILLJCT289.0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2008 10/1/2006 6/1/2008 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2008 6/1/2008 6/1/2011 6/1/2007 6/1/2007	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000 \$ 3,000,000 \$ 1,100,000 \$ 150,000
KNOLL 230/115KV TRANSFORMER CKT 2	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1 ELLSWORTH 230KV TAP FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K GILL ENERGY CENTER EAST - GILLJCT269,0 69KV CKT 1 GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 HARPER CAPACITOR	6/1/2008 10/1/2006 6/1/2006 6/1/2008 6/1/2007 6/1/2011 6/1/2007 6/1/2007 6/1/2006	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2008 6/1/2008 6/1/2011 6/1/2007 6/1/2007	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000 \$ 1,100,000 \$ 1,143,587
MINGO CAPACITOR	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K'  GILL ENERGY CENTER EAST - GILLC7269 0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2008 10/1/2006 6/1/2006 6/1/2008 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2006	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2008 6/1/2008 6/1/2016 6/1/2007 6/1/2007 6/1/2007	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,662 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 1,395	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000 \$ 3,000,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000
Mooreland - Potter 345 kV SPS	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1 ELLSWORTH 230KV TAP FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K' GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1 GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 HARPER CAPACITOR HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1 KELLY - SOUTH SENECA 115KV CKT 1	6/1/2008 10/1/2006 6/1/2006 6/1/2007 6/1/2017 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2006 6/1/2010	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2008 6/1/2008 6/1/2011 6/1/2007 6/1/2007 12/1/2006 6/1/2010	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 1,395 \$ 17,483	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000 \$ 3,000,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 3,100,000
Mooreland - Potter 345 kV WFEC	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1 ELLSWORTH 230KV TAP FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K' GILL ENERGY CENTER EAST - GILLJCT269 0 69KV CKT 1 GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 HARPER CAPACITOR HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1 KELLY - SOUTH SENECA 115KV CKT 1 KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008 10/1/2006 6/1/2006 6/1/2007 6/1/2011 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2006 6/1/2010 6/1/2008	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2008 6/1/2008 6/1/2011 6/1/2007 6/1/2007 6/1/2007 6/1/2000 6/1/2010 6/1/2010	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 1,395 \$ 17,483 \$ 17,483	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000 \$ 3,000,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 3,100,000 \$ 3,100,000
Mooreland 345/138 kV Transformer	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KY  GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KKOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR	6/1/2008 10/1/2006 6/1/2006 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2010 6/1/2010 6/1/2010	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2008 6/1/2008 6/1/2011 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2010	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 17,483 \$ 189,112 \$ 46,097	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 10,560,000 \$ 1,100,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 3,100,000 \$ 3,100,000 \$ 3,100,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000
PLAINVILLE CAPACITOR	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1 ELLSWORTH 230KV TAP FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K' GILL ENERGY CENTER EAST - GILLJCT269, 69KV CKT 1 GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1 HARPER CAPACITOR HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1 KELLY - SOUTH SENECA 115KV CKT 1 KNOLL 230/115KV TRANSFORMER CKT 2 MINGO CAPACITOR MOOREIGH - PORTER 345 KV SPS	6/1/2008 10/1/2006 6/1/2006 6/1/2007 6/1/2011 6/1/2007 6/1/2007 6/1/2006 6/1/2006 6/1/2006 6/1/2011 4/1/2011	12/1/2007 6/1/2008 6/1/2008 6/1/2007 6/1/2008 6/1/2008 6/1/2011 6/1/2007 6/1/2007 6/1/2007 6/1/2010 6/1/2010 6/1/2011 12/1/2008	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 1,395 \$ 117,483 \$ 189,112 \$ 46,097 \$ 63,989	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 3,000,000 \$ 1,100,000 \$ 1,143,587 \$ 1,143,587 \$ 3,100,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 61,850,000 \$ 61,850,000
POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILD M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K'  GILL ENERGY CENTER EAST - GILLCT259 0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KINOLI 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 KV SPS  Mooreland - Potter 345 KV WFEC	6/1/2008 10/1/2006 6/1/2006 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2006 6/1/2008 6/1/2008 6/1/2010 4/1/2007	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2007 6/1/2007 6/1/2011 6/1/2011 6/1/2007 12/1/2006 6/1/2011 12/1/2009 12/1/2009 12/1/2009	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 1,395 \$ 17,483 \$ 189,112 \$ 46,097 \$ 63,989 \$ 2,586 \$ 20,759	\$ 2,000,000 \$ 1,143,587 \$ 7,520,000 \$ 7,520,000 \$ 10,560,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 3,000,000 \$ 3,100,000 \$ 3,100,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,500,000 \$ 3,5
REDISPATCH FOR WOLF CREEK OUTAGE 07WP   12/1/2007	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K'  GILL ENERGY CENTER EAST - GILLICT289.0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KNOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV WFEC  Mooreland 545/138 kV Transformer	6/1/2008 10/1/2006 6/1/2006 6/1/2007 6/1/2017 6/1/2017 6/1/2007 6/1/2007 6/1/2006 6/1/2006 6/1/2010 6/1/2010 6/1/2011 4/1/2007 4/1/2007	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2007 6/1/2007 6/1/2011 6/1/2011 6/1/2007 12/1/2006 6/1/2011 12/1/2009 12/1/2009 12/1/2009	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 1,395 \$ 17,483 \$ 189,112 \$ 46,097 \$ 63,989 \$ 2,586 \$ 20,759	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 3,000,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 3,000,000 \$ 5,500,000 \$ 5,500,000
SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115kV CKT 1 6/1/2008 6/1/2008 \$ 127,289 \$ 1,200,000	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K'  GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KROLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 KV SPS  Mooreland - Potter 345 KV WFEC  Mooreland 455/138 KV Transformer  NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2008 10/1/2006 6/1/2006 6/1/2006 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2008 6/1/2010 6/1/2008 6/1/2010 4/1/2007 4/1/2007 6/1/2008 6/1/2010	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2007 6/1/2007 6/1/2001 6/1/2001 6/1/2001 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2001 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 17,483 \$ 17,483 \$ 189,112 \$ 46,097 \$ 63,899 \$ 2,586 \$ 20,759 \$ 2,0759 \$ 1,958	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 3,100,000 \$ 3,100,000 \$ 61,850,000 \$ 1,500,000 \$ 2,500,000 \$ 2,500,000 \$ 1,164,639
SPEARVILLE - KINSLEY 115KV	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLEARWT - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KY  GILL ENERGY CENTER EAST - GILLJCT289.0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KNOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV WFEC  Mooreland 45/138 kV TARNSFORMER  MOOREL SHOW TO THE SENECH SHOW TO THE SENECH SHOW TO THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SENECH SHOW THE SHOW	6/1/2008 10/1/2006 6/1/2006 6/1/2006 6/1/2007 6/1/2011 6/1/2011 6/1/2007 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2011 4/1/2007 4/1/2007 6/1/2015 6/1/2018 6/1/2011 4/1/2007	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2007 6/1/2008 6/1/2011 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2009 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 1,395 \$ 17,483 \$ 189,112 \$ 46,097 \$ 63,989 \$ 2,086 \$ 20,759 \$ 60,007 \$ 1,958 \$ 11,5937	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 2,200,000 \$ 3,000,000 \$ 11,050,000 \$ 1,140,000 \$ 1,143,587 \$ 20,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,100,000 \$ 3,100,
Spearville - Mooreland 345 kV SUNC	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K  GILL ENERGY CENTER EAST - GILLJCT269 0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITIOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KINOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 KV SPS  Mooreland - Potter 345 KV WFEC  Mooreland 345/138 KV Transformer  NEOSHO NORTHEAST PARSONS 138KV CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  REDISPATCH FOR WOLF CREEK OUTAGE 07VP	6/1/2008 10/1/2006 6/1/2006 6/1/2008 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2000 6/1/2010 6/1/2010 6/1/2010 6/1/2008 6/1/2011 4/1/2007 6/1/2015 6/1/2011 4/1/2007 6/1/2015	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 14/1/2008 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011 6/1/2011	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 17,483 \$ 18,911 \$ 46,097 \$ 2,586 \$ 20,759 \$ 20,759 \$ 1,958 \$ 1,	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 3,000,000 \$ 3,100,000 \$ 3,100,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 1,164,630 \$ 2,550,000 \$ 2,550,000 \$ 1,164,639 \$ 3,727,217
Spearville - Mooreland 345 kV WFEC	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLEARVETER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KY  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KNOLL 230/115KV TRANSFORMER CKT 2  MINIGO CAPACITOR  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV WFEC  Mooreland - Potter 345 kV WFEC  Mooreland - NORTHEAST PARSONS 138KV CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  REDISPATCH FOR WOLF CREEK OUTAGE 07WP  SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008 10/1/2006 6/1/2006 6/1/2006 6/1/2007 6/1/2011 6/1/2011 6/1/2007 6/1/2006 6/1/2006 6/1/2010 6/1/2010 6/1/2011 4/1/2007 4/1/2007 6/1/2008 6/1/2011 4/1/2007 4/1/2007 6/1/2015 6/1/2008	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2007 6/1/2008 6/1/2007 6/1/2001 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2008 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,562 \$ 1,395 \$ 17,483 \$ 19,112 \$ 46,097 \$ 63,989 \$ 2,256 \$ 20,759 \$ 6,007 \$ 1,958 \$ 15,937 \$ 15,937 \$ 127,289	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 61,850,000 \$ 12,500,000 \$ 2250,000 \$ 1,164,639 \$ 1,164,639
TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	1034590	BELOIT 115KV CAPACITOR CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CLAY CENTER - GREENLEAF 115KV CKT 1 CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1 ELLSWORTH 230KV TAP FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K' GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1 GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1 HARPER CAPACITOR HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1 KELLY - SOUTH SENECA 115KV CKT 1 KNOLL 230/115KV TRANSFORMER CKT 2 MINIGO CAPACITOR Mooreland - Potter 345 kV WFEC Mooreland - Potter 345 kV WFEC Mooreland - Potter 345 kV WFEC Mooreland - Potter 345 kV WFEC Mooreland - Potter 345 kV WFEC MOORE MOORE MAST 138 KV TRANSFORMER CKT 1 PLAINVILLE CAPACITOR NEOSHO - NORTHEAST PARSONS 138KV CKT 1 PLAINVILLE CAPACITOR POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1 REDISPATCH FOR WOLF CREEK OUTAGE 07WP SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1 SPEARVILLE - KINSLEY 115KV	6/1/2008 10/1/2006 6/1/2006 6/1/2008 6/1/2007 6/1/2011 6/1/2007 6/1/2007 6/1/2006 6/1/2006 6/1/2010 6/1/2006 6/1/2011 4/1/2007 6/1/2008 6/1/2011 4/1/2007 6/1/2008 6/1/2011 6/1/2011 6/1/2008 6/1/2011 6/1/2008 6/1/2011 6/1/2008 6/1/2011 6/1/2008 6/1/2012 6/1/2008 6/1/2012 6/1/2008 6/1/2008	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2007 6/1/2008 6/1/2001 6/1/2001 6/1/2001 6/1/2007 12/1/2007 12/1/2009 12/1/2009 12/1/2009 12/1/2009 14/1/2009 14/1/2009 14/1/2009 14/1/2009 14/1/2008 6/1/2008	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 17,483 \$ 189,112 \$ 46,097 \$ 63,989 \$ 2,586 \$ 1,958 \$ 1,	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,000,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 1,143,587 \$ 20,000 \$ 3,000,000 \$ 3,000,000 \$ 1,143,587 \$ 20,000 \$ 3,000,000 \$ 5,000,000 \$ 61,850,000 \$ 2,500,000 \$ 2,500,000 \$ 1,164,639 \$ 8,727,217 \$ 8,727,217 \$ 1,200,000 \$ 1,200,000 \$ 1,200,000
Tuco - Northwest 345kV OKGE	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K'  GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KROLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV WFEC  Mooreland 345/138 kV Transformer  NEOSHO - NORTHEAST PARSONS 138KV CKT 1  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  REDISPATCH FOR WOLF CREEK OUTAGE 07WP  SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1  SPEARVILLE - KINSLEY 115KV	6/1/2008 10/1/2006 6/1/2006 6/1/2006 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2006 6/1/2006 6/1/2001 6/1/2007 4/1/2007 4/1/2007 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2008 6/1/2001 6/1/2008 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2008	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 17,483 \$ 17,483 \$ 189,112 \$ 46,097 \$ 63,989 \$ 22,586 \$ 20,759 \$ 15,957 \$ 11,958 \$ 15,937 \$ 234,986 \$ 234,986 \$ 234,986 \$ 234,986 \$ 234,986 \$ 515,991	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 3,000,000 \$ 3,000,000 \$ 61,850,000 \$ 2,550,000 \$ 2,500,000 \$ 1,164,639 \$ 8,727,217 \$ 1,200,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000,000 \$ 3,000,000 \$ 3,000,000
Tuco - Northwest 345kV SPS	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLEARVET- GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KY  GILL ENERGY CENTER EAST - GILLICT289.0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KNOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV Transformer  NEOSHO - NORTHEAST PARSONS 138KV CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  REDISPATCH FOR WOLF CREEK OUTAGE 07WP  SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1  SPEARVILLE - KINSLEY 115KV  Spearville - Mooreland 345 kV SUNC  Spearville - Mooreland 345 kV SUNC	6/1/2008 10/1/2006 6/1/2006 6/1/2008 6/1/2007 6/1/2011 6/1/2017 6/1/2017 6/1/2006 6/1/2010 6/1/2006 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008	12/1/2007 6/1/2008 6/1/2009 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 1,395 \$ 17,895 \$ 17,895 \$ 20,759 \$ 63,989 \$ 2,056 \$ 20,759 \$ 60,007 \$ 1,593 \$ 15,937 \$ 127,289 \$ 234,986 \$ 234,986 \$ 234,986 \$ 234,986 \$ 234,986 \$ 20,284	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,0560,000 \$ 1,143,587 \$ 20,000 \$ 1,143,587 \$ 20,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 25,000,000 \$ 25,000,000 \$ 1,143,587 \$ 20,000 \$ 3,100,000 \$ 3,100,000 \$ 3,100,000 \$ 1,164,639 \$ 1,164,639
Tuco - Tolk 345kV	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K  GILL ENERGY CENTER EAST - GILLJCT259 0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KINOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV WFEC  Mooreland 45/138 kV Transformer  NEOSHO - NORTHEAST PARSONS 138KV CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  PLAINVILLE - KINSLEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV  SPEARVILLE - KHOSCEY 115KV	6/1/2008 10/1/2006 6/1/2006 6/1/2006 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2008 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,261 \$ 136,669 \$ 536,251 \$ 14,294 \$ 37,582 \$ 17,483 \$ 17,483 \$ 189,112 \$ 46,097 \$ 2,586 \$ 20,759 \$ 20,759 \$ 1,958 \$ 15,937 \$ 127,289 \$ 127,289 \$ 234,986 \$ 150,991 \$ 102,284 \$ 31,789	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,000,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 3,100,000 \$ 3,100,000 \$ 3,100,000 \$ 2,500,000 \$ 2,500,000 \$ 2,500,000 \$ 2,500,000 \$ 1,164,639 \$ 8,727,217 \$ 1,200,000 \$ 3,100,000 \$ 3,100,000 \$ 3,100,000 \$ 3,100,000 \$ 1,100,000 \$ 1,100,000
TUCO INTERCHANGE 345/15KV TRANSFORMER CKT 1	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLEARVET- GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV  GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KNOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV WFEC  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 545 kV SPS  Mooreland - Potter 545 kV SPS  Mooreland - SPAS SONS 138KV CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  REDISPATCH FOR WOLF CREEK OUTAGE 07WP  SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV	6/1/2008 10/1/2008 6/1/2006 6/1/2008 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2008 6/1/2010 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2015 6/1/2015 6/1/2008 6/1/2017 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2008 6/1/2011 6/1/2001 6/1/2001 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2009 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,265 \$ 136,669 \$ 536,281 \$ 105,535 \$ 14,294 \$ 37,582 \$ 17,483 \$ 17,483 \$ 189,112 \$ 46,097 \$ 63,989 \$ 2,2586 \$ 20,759 \$ 1,958 \$ 15,937 \$ 15,937 \$ 127,289 \$ 127,289 \$ 110,284 \$ 31,738	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 2,200,000 \$ 3,100,000 \$ 3,100,000 \$ 3,000,000 \$ 61,850,000 \$ 2,500,000 \$ 2,500,000 \$ 1,164,639 \$ 8,727,217 \$ 5 \$ 1,200,000 \$ 11,000,000 \$ 11,000,000 \$ 11,000,000 \$ 11,000,000 \$ 11,000,000 \$ 11,000,000 \$ 11,000,000 \$ 11,000,000 \$ 11,000,000 \$ 11,010,000,000 \$ 11,010,010,000 \$ 11,010,010,000
Wichita - Reno Co 345KV         6/1/2006         12/1/2010         \$ 1,743,280         \$ 42,000,000           Wolfforth - Carlisle 230kV         4/1/2007         4/1/2009         \$ 10,908         \$ 7,000,000	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLEAR CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KY  GILL ENERGY CENTER EAST - GILLJCT289.0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KNOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 kV WFEC  Mooreland - Potter 345 kV WFEC  Mooreland 45/138 kV TANSFORMER CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  REDISPATCH FOR WOLF CREEK OUTAGE 07WP  SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1  SPEARVILLE - KINSLEY 115KV  Spearville - Mooreland 345 kV SUNC  Spearville - Mooreland 345 kV WFEC  TUCO - Northwest 345KV OKGE  TUCO - Northwest 345KV SPS	6/1/2008 10/1/2006 6/1/2006 6/1/2008 6/1/2007 6/1/2011 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2006 6/1/2006 6/1/2007 6/1/2007 6/1/2008 6/1/2007 6/1/2008 6/1/2008 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/200 6/1/200 6/1/200 6/1/200 6/1/20	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2008 6/1/2008 6/1/2009 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2009 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 136,669 \$ 14,294 \$ 37,582 \$ 11,395 \$ 17,483 \$ 189,112 \$ 46,097 \$ 63,989 \$ 2,566 \$ 1,593 \$ 1,593 \$ 1,593 \$ 15,937 \$ 15,937 \$ 127,289 \$ 15,937 \$ 127,289 \$ 13,231 \$ 13,284 \$ 13,364 \$ 15,364 \$ 15,364 \$ 15,364 \$ 15,364 \$ 15,364 \$ 15,364 \$ 16,007 \$ 17,007 \$ 17,007 \$ 18,007 \$	\$ 2,000,000 \$ 1,143,587 \$ 4,100,000 \$ 7,520,000 \$ 10,560,000 \$ 1,000,000 \$ 1,143,587 \$ 20,000 \$ 1,143,587 \$ 20,000 \$ 3,100,000 \$ 3,100,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 25,000,000 \$ 25,000,000 \$ 1,164,639 \$ 1,164,6
Wolfforth - Carlisle 230kV 4/1/2007 4/1/2009 \$ 10,908 \$ 7,000,000	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K  GILL ENERGY CENTER EAST - GILLJCT269.0 89KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KROLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 KV SPS  Mooreland - Potter 345 KV WFEC  Mooreland 345/138 KV Transformer  NEOSHO - NORTHEAST PARSONS 138KV CKT 1  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  REDISPATCH FOR WOLF CREEK OUTAGE 07WP  SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1  SPEARVILLE - KINSLEY 115KV  Spearville - Mooreland 345 KV SUNC  Spearville - Mooreland 345 KV SUNC  TUCO - Northwest 345KV OKGE  TUCO - Northwest 345KV OKGE	6/1/2008 10/1/2008 6/1/2006 6/1/2008 6/1/2007 6/1/2011 6/1/2007 6/1/2011 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2009 4/1/2007 6/1/2015 6/1/2015 6/1/2008 6/1/2009 4/1/2007 6/1/2015 6/1/2008 6/1/2008 6/1/2009 4/1/2007 4/1/2007 4/1/2007 4/1/2007 4/1/2007 4/1/2007 4/1/2007 4/1/2007 4/1/2007 4/1/2007	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2008 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001 6/1/2001	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,251 \$ 105,535 \$ 14,294 \$ 37,582 \$ 17,483 \$ 17,483 \$ 189,112 \$ 46,097 \$ 2,586 \$ 20,759 \$ 20,759 \$ 1,958 \$ 11,958 \$ 20,759 \$ 127,289 \$ 15,937 \$ 102,224 \$ 11,395 \$ 15,937 \$ 11,395 \$ 11,395	\$ 2,000,000 \$ 1,143,587 \$ 1,00,000 \$ 7,520,000 \$ 10,560,000 \$ 1,000,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 3,000,000 \$ 3,100,000 \$ 3,100,000 \$ 3,100,000 \$ 3,000,000 \$ 1,143,587 \$ 20,000 \$ 3,000,000 \$ 3,000,000 \$ 1,164,639 \$ 2,550,000 \$ 1,164,639 \$ 3,727,217 \$ 2,500,000 \$ 1,164,639 \$ 3,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 2,150,000,000 \$ 10,318,679 \$ 10,000,000 \$ 2,150,000,000 \$ 2,150,000,000 \$ 2,150,000,000 \$ 2,150,000,000 \$ 3,100,000 \$ 3,100,000
Total \$ 4.169.034 \$ 366.025.207	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLEAR CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KY  GILL ENERGY CENTER EAST - GILLJCT289.0 68KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KNOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  Mooreland - Potter 345 kV SPS  MOORE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  REDISPATCH FOR WOLF CREEK OUTAGE 07WP  SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 115KV  SPEARVILLE - MOORELAND 345 KV SUPEC  TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2  TIUCO - Northwest 345KV OKGE  TUCO - Northwest 345KV SPS  TUCO - Northwest 345KV SPS	6/1/2008 10/1/2008 10/1/2006 6/1/2008 6/1/2008 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2010 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2008 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7,520,000 \$ 10,560,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 1,143,587 \$ 20,000 \$ 3,000,000 \$ 3,100,000 \$ 3,100,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 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3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000 \$ 3,000,000
	1034590	BELOIT 115KV CAPACITOR  CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1  CLAY CENTER - GREENLEAF 115KV CKT 1  CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1  ELLSWORTH 230KV TAP  FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K  GILL ENERGY CENTER EAST - GILLJCT259.0 69KV CKT 1  GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1  HARPER CAPACITOR  HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1  KELLY - SOUTH SENECA 115KV CKT 1  KINOLL 230/115KV TRANSFORMER CKT 2  MINGO CAPACITOR  Mooreland - Potter 345 KV SPS  Mooreland - Potter 345 KV WFEC  Mooreland - MORTHEAST PARSONS 138KV CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  PLAINVILLE CAPACITOR  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1  PLAINVILLE - KINSLEY 115KV  SPEARVILLE - KINSLEY 1	6/1/2008 10/1/2006 6/1/2006 6/1/2006 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2007 6/1/2006 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2010 6/1/2008 6/1/2008 6/1/2007 6/1/2008 6/1/2008 6/1/2009 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/	12/1/2007 6/1/2008 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2009 6/1/2008 6/1/2008 6/1/2008 6/1/2008 6/1/2007 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009 12/1/2009	\$ 62,095 \$ 38,431 \$ 79,132 \$ 52,891 \$ 71,262 \$ 136,669 \$ 536,281 \$ 105,535 \$ 14,294 \$ 37,582 \$ 17,483 \$ 17,483 \$ 189,112 \$ 46,097 \$ 20,769 \$ 20,769 \$ 1,958 \$ 127,289 \$ 102,284 \$ 13,385 \$ 13,138 \$ 31,788 \$ 31,78	\$ 2,000,000 \$ 1,143,587 \$ 1,00,000 \$ 7,520,000 \$ 10,580,000 \$ 1,100,000 \$ 1,100,000 \$ 1,100,000 \$ 1,143,587 \$ 20,000 \$ 3,100,000 \$ 3,100,000 \$ 5,000,000 \$ 2550,000 \$ 2550,000 \$ 1,184,639 \$ 8,727,217 \$ 21,000,000 \$ 10,000,000 \$ 21,000,000 \$ 21,000,000 \$ 21,000,000 \$ 23,158,819 \$ 90,000,000 \$ 23,158,819 \$ 10,318,679 \$

CUSTOMER Study Number MIDW AG1-2006-082

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034589	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007
1034590	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

	riding The requested service is contingent upon completion of the following appraides. Cost is no		
Reservation		COD	EOC
1034589	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006
1034590	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number AG1-2006-083

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
MIDW	1034628	WR	WR	10	6/1/2006	6/1/2010	12/1/2010	12/1/2014	\$ -	\$ -	\$ 1,665,287	
									\$ -	\$ -	\$ 1,665,287	\$ 365,775,207

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cost
1034628	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 24,840	\$ 2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 15,374	\$ 1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 31,653	\$ 4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007		\$ 7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 28,507	\$ 2,200,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 54,672	\$ 10,560,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KY	6/1/2011	6/1/2011	\$ 214,531	\$ 3,000,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 42,208	\$ 1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$ 5,716	\$ 150,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 15,033	\$ 1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 558	\$ 20,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$ 6,993	\$ 3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 75,645	\$ 3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$ 18,439	\$ 850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 25,599	\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 1,035	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 8,303	\$ 5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008		\$ 1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 6,374	\$ 8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$ -
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008		\$ 1,200,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$ 93,998	\$ 10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 60,398	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009		\$ 21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 1,271	\$ 10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 77,288	\$ 90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 35,290	\$ 23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 697,331	\$ 42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 4,357	\$ 7,000,000
			Total	\$ 1,665,287	\$ 365,775,207

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number MIDW AG1-2006-083

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034628	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034628	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006
	RULETON 115KV CAPACITOR	6/1/2006	6/1/2006

CUSTOMER Study Number MIDW AG1-2006-084

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
MIDW	1034595	WR	WR	50	4/1/2007	4/1/2027	12/1/2010	12/1/2030	\$ 900,000	S -	\$ 3,172,702	
WIIDVV	1004000											

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	tal E & C Cost
1034595	BELOIT 115KV CAPACITOR	6/1/2008			20,398	\$	1,143,587
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$	141,011	\$	7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$	56,108	\$	2,200,000
	ELLSWORTH 230KV TAP	6/1/2007			1,135,378	\$	10,560,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$	29,234	\$	1,143,587
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	462,317	\$	3,000,000
	MINGO CAPACITOR	6/1/2011			71,117		850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	38,454	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	1,554	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	20,232	\$	5,000,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$	55,099	\$	1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	15,428	\$	8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$	-	\$	-
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	401,665	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	132,783	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	89,950	\$	21,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007			3,275	\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	1,228	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	192,269	\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	88,097	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	13,904	\$	10,318,679
	Wichita - Reno Co 345KV	6/1/2006			192,304	\$	42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	10,897	\$	7,000,000
		•	Total	\$	3.172.702	\$	351,105,207

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer. Reservation | Upgrade Name | COD | EOC | 1034595 JEC - SWISSVALE 345KV | 6/1/2006 | 12/1/2010

Reservation	Upgrade Name	COD	EOC
1034595	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number MIDW AG1-2006-085

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Ston Date	Start Date	Ston Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FOR	FOD	Aillouit	Start Date	Stop Date	Otal t Date		I dilding Allowabic	Dusc Ruic	to oustoille	to oustonici
	1036931	WR	WR	50	12/1/2006	12/1/2026				\$ -	\$ 1,499,527	to oustomer

				Alloc	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1036931	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	11,322	\$	1,143,587
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	240,090	\$	3,000,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		42,696	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	1,726	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	10,061	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	41,718		36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	7,780	\$	8,727,217
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		25,470	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	17,254	\$	21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	577	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	101,577	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	7,262	\$	10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$	991,994	\$	42,000,000
			Total	\$	1.499.527	\$	313.566.656

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation Upgrade Name COD EOC

1036931 JEC - SWISSVALE 345KV 6/1/2006 12/1/2010

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1036931	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1036931	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number MIDW AG1-2006-086

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
MIDW		SECI	WR	50	12/1/2006		12/1/2010			\$ -	\$ 4,094,922	

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Co
103693	2 BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	28,892	\$	1,143,58
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	3,758	\$	10,560,00
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	6,827	\$	153,11
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$	11,166	\$	1,143,58
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	313,186	\$	3,000,00
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	4,972	\$	100,00
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	78,549	\$	850,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	163,212	\$	61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	6,597	\$	2,500,00
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		33,159	\$	5,000,00
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	139,536	\$	36,377,17
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	25,316	\$	8,727,21
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	808,408	\$	10,000,00
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	69,281	\$	31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	46,932	\$	21,000,00
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	2,088	\$	650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	339,423	\$	90,000,00
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	24,435	\$	10,318,67
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$	1,989,185	\$	42,000,00
			Total	\$	4,094,922	\$	336 373 35

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	
1036932	Carter JCT Capcitor	6/1/2008	6/1/2008	
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010	

Credits may be r	Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.							
Reservation	Upgrade Name	COD	EOC					
1036932	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006					
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006					
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006					

Reservation	Upgrade Name	COD	EOC
1036932	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number MIDW AG1-2006-087

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
	B	POR	POD	Amount	Ctant Data	Cton Doto	Ctart Data	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	PUR	PUD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	base Rate	to Customer	to Customer
MIDW	1040115 Reservation	SPS	WR	50	11/1/2006	11/1/2026				\$ -	\$ 5,608,077	to Customer

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
104011	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	35,539	\$	1,143,587
	ELLSWORTH 230KV TAP	6/1/2007			29,420	\$	10,560,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006			7,043		153,114
	HARPER CAPACITOR	6/1/2006			13,807	\$	1,143,587
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008			337,414	\$	3,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006			5,130	\$	100,000
	MINGO CAPACITOR	6/1/2011			109,774		850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	672,992	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		27,203		2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		53,479		5,000,000
	PLAINVILLE CAPACITOR	6/1/2008			4,340		1,164,639
	Potter - Tolk 345KV	4/1/2007			256,646	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007			61,571		8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008			854,318		10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		156,913	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009		106,296		21,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		3,139		650,000
	Tuco - Northwest 345kV SPS	4/1/2007			586,346	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007			41,608		10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$	2,245,099	\$	42,000,000
			Total	\$	5.608.077	\$	337,537,996

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1040115	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1040115	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1040115	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	6/1/2008
	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number MIDW AG1-2006-088

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Ston Date	Start Date	Ston Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FOR	FOD	Amount	Otal t Date						to oustonici	
MIDW	1034625	KCPL	WR	50	6/1/2010						\$ 7,317,860	to oustomer

				Allo	cated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1034625	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	69,116	\$	1,143,587
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$	11,134	\$	7,520,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	234,111	\$	10,560,000
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115K	6/1/2011	6/1/2011	\$	923,734	\$	3,000,000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010			64,270		3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008			361,968	\$	3,000,000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	97,039	\$	850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		147,794	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	5,974	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		39,365	\$	5,000,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		31,500		8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	501,577	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		306,158	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	207,397	\$	21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	524,352	\$	6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007			6,259		10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		3,241	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	372,596	\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	174,238	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	27,390	\$	10,318,679
	Wichita - Reno Co 345KV	6/1/2006			3,187,117	\$	42,000,000
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	21,530	\$	7,000,000
			Total	\$	7,317,860	\$	358,696,981

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC	
1034625	Carter JCT Capcitor	6/1/2008	6/1/2008	
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010	
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011	

Construction Pending - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034625	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

CUSTOMER Study Number KMEA AG1-2006-089

				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point		Total E & C Cost of Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KMEA	1034542	KCPL	KCPL	136	6/1/2006	6/1/2016	3/1/2008	3/1/2018	\$ 8,460,000	\$ -	\$ 3,775,420	
									\$ 8,460,000	\$ -	\$ 3,775,420	\$ 13,890,000

				Alloca	ited E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Total	E & C Cost
1034542	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006	3/1/2008	\$	175,228	\$	890,000
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016	\$	141,703	\$	700,000
	CRESWELL - NEWKIRK 138KV CKT 1	6/1/2016	6/1/2016	\$	90,589	\$	3,800,000
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2016	6/1/2016	\$	3,367,900	\$	8,500,000
			Total	\$ ;	3,775,420	\$	13,890,000

Reservation	Upgrade Name	COD	EOC
1034542	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015
	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006

Reservation Up	grade Nam	е			COD	EOC
1034542 LA	CYGNE-PA	OLA-WEST GARDER 3	45KV		6/1/2007	6/1/2008

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number GSEC AG1-2006-094

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
GSEC	1034404	SECI	SPS	400							\$ 52,556,826	10 2 3 3 1 1 1 1

				Allo	cated E & C		
	Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
1034404	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$	27,191	\$	90,000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006			23,557	\$	153,114
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	17,158	\$	100,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$	683,776	\$	3,200,000
	MINGO CAPACITOR	6/1/2011			93,630	\$	850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	10,902,266	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	440,674	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	52,655	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$	8,075,231	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007			1,989,856	\$	8,727,217
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	1,026,649	\$	10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	7,428,137	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	5,031,964	\$	21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	61,447	\$	6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	2,102,864	\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	86,102	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	9,899,615	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007			3,115,142	\$	10,318,679
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	1,498,912	\$	7,000,000
			Total	\$	52,556,826	\$	305,134,862

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034404	Carter JCT Capcitor	6/1/2008	6/1/2008
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	6/1/2011	6/1/2011

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1034404	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006

Reservation	Upgrade Name	COD	EOC
1034404	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number GSEC AG1-2006-095

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
GSEC	1034476	CSWS	CSWS	10	8/1/2006	8/1/2036	12/1/2010	11/30/2040	\$ -	\$ -	\$ 4,497,563	

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Co
103447	6 ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011		\$ 500,00
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$ 2,594	\$ 1,143,58
	Bowers Project	6/1/2006			
	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011		
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016			
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008			
	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2010			
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008		\$ 10,560,00
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011		
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008		
	Headley 4 Mvar DVAR	6/1/2007	6/1/2007		
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		\$ 61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		\$ 5,000,00
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		
	Russell Switch Capacitor	6/1/2011	6/1/2011		
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009		\$ 21,000,00
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009		
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 227,096	\$ 90,000,00
	Tuco - Tolk 345kV	4/1/2007	12/1/2009		\$ 23,158,81
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		\$ 10,318,67
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 21,693	\$ 1,500,00
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 124,749	\$ 42,000,00
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 11,244	\$ 7,000,00
			Total	\$ 4,497,563	\$ 340,956,98

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

ı	Reservation	Upgrade Name	COD	EOC	
I	1034476	Carter JCT Capcitor	6/1/2008	6/1/2008	

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

	realism ay be required for the following network applicated an early adeligned to transmission eactorners in previous ag									
Reservation										
1034476	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009							
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009							
_	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009							
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008							

Reservation	Upgrade Name	COD	EOC
1034476	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006

Table 2 - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

CUSTOMER Study Number GSEC AG1-2006-096

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
GSEC	1034489	CSWS	CSWS	10	8/1/2006	8/1/2036	12/1/2010	11/30/2040	\$ -	\$ -	\$ 4,497,563	
									\$ -	\$ -	\$ 4.497.563	\$ 340,956,981

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Co
1034489	ALTUS JUNCTION 69KV Capacitor	6/1/2011	6/1/2011	\$ 13,971	\$ 500,00
	BELOIT 115KV CAPACITOR	6/1/2008			\$ 1,143,58
	Bowers Project	6/1/2006	2/1/2009	\$ 3,000,000	\$ 6,000,00
	BROWN - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011		\$ 100,00
	Chickasaw Capacitors & Tower Heights Capacitors	6/1/2016	6/1/2016	\$ 1,999	\$ 90,00
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008			
	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2010	6/1/2010	\$ 3,573	\$ 15,00
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008		
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011	\$ 11,537	\$ 850,00
	HAMON BUTLER - MOREWOOD 69KV CKT 1	4/1/2007	6/1/2008		\$ 3,400,00
	Headley 4 Mvar DVAR	6/1/2007	6/1/2007	\$ 500,000	\$ 1,000,00
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		\$ 61,850,00
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009		\$ 5,000,00
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		
	Russell Switch Capacitor	6/1/2011	6/1/2011		
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		\$ 31,000,00
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009		\$ 21,000,00
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 13,932	\$ 10,318,67
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		\$ 650,00
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 227,096	\$ 90,000,00
	Tuco - Tolk 345kV	4/1/2007	12/1/2009		\$ 23,158,81
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 19,274	\$ 10,318,67
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2010	6/1/2010	\$ 21,693	\$ 1,500,00
	Wichita - Reno Co 345KV	6/1/2006			\$ 42,000,00
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 11,244	\$ 7,000,00
			Total	\$ 4.497.563	\$ 340.956.98

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034489	Carter JCT Capcitor	6/1/2008	6/1/2008

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

Reservation	Upgrade Name	COD	EOC
1034489	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008

Reservation	Upgrade Nam	е				COD	EOC
1034489	HEIZER TO K	NOLL 230KV		-		6/1/2006	6/1/2007
	Remove Read	tor				6/1/2006	6/1/2006

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
0	December	POR	POD	Amount	Start Date	Ston Data	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FUR	FUD	Allioulit	Start Date	Stop Date	Start Date	Stop Date	I ulluling Allowable	Dase Rate	to Customer	to customer
KEPC		KCPL	WR	50	6/1/2008	6/1/2013					\$ 1,620,169	to Customer

				Allocated E & C	
Reservation	Upgrade Name	COD	EOC	Cost	Total E & C Cos
1034434	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006			\$ 1,605,500
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006			\$ 4,100,000
	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2014			
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$ 44,723	\$ 5,400,000
	GRANT - CHISHOLM 138KV	6/1/2011			\$ 1,100,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		\$ 61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 877	\$ 2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 1,757	\$ 5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$ 18,381	\$ 250,000
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008			\$ 3,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 10,935	\$ 31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 7,407	\$ 21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 460,916	\$ 6,000,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 81	\$ 650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 8,558	\$ 90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007			\$ 10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 413,863	\$ 42,000,000
			Total	\$ 1,620,169	\$ 297,501,396

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034434	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2011	6/1/2011

CUSTOMER Study Number KEPC AG1-2006-099

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KEPC	1034424	KCPL	WPEK	45	6/1/2007	6/1/2012	6/1/2011	5/31/2016	\$ 8,100,000	\$ -	\$ 4.972.573	
KLI C	1034424	IVOI L	TTI LIX	70	0, 1,2001	0/ 1/20 IZ	0/1/2011	0/0 1/2010	φ 0,100,000	Ψ	· ,,,	

			Allocated E & C	
Upgrade Name	COD	EOC	Cost	Total E & C Cos
BELOIT 115KV CAPACITOR	6/1/2008			
BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	12/1/2007	\$ 65,631	\$ 1,605,500
CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006			
CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$ 230,192	\$ 2,200,000
ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$ 246,423	\$ 10,560,000
HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 111,960	\$ 1,143,587
Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 171,550	\$ 61,850,000
Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$ 6,934	\$ 2,500,000
Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 75,188	\$ 5,000,000
POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 23,824	\$ 8,727,217
ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$ 141,761	\$ 3,000,000
Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 511,487	\$ 31,000,000
Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 346,492	\$ 21,000,000
STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$ 84,279	\$ 6,000,000
TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$ 19,101	\$ 10,318,679
Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 8,591	\$ 650,000
Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 743,827	\$ 90,000,000
Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$ 332,446	\$ 23,158,819
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 56,004	\$ 10,318,679
Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$ 1,705,172	\$ 42,000,000
Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$ 41,835	\$ 7,000,000
		Total	\$ 4,972,573	\$ 346,696,068

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034424	Carter JCT Capcitor	6/1/2008	6/1/2008
	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2006	10/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010

Reservation	Upgrade Name	COD	EOC
1034424	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	Upgrades Allocated	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KEPC	1034420	SPS	WPEK	45	6/1/2007	6/1/2012	6/1/2011	5/31/2016	\$ 8,100,000	\$ -	\$ 9,750,144	
									\$ 8,100,000	\$ -	\$ 9,750,144	\$ 355,210,038

			Allo	cated E & C		
Upgrade Name	COD	EOC		Cost	Tot	al E & C Cos
BC-EARTH INTERCHANGE 115KV	6/1/2011	6/1/2011			\$	750,000
BELOIT 115KV CAPACITOR	6/1/2008			16,690		1,143,587
BOOKER 69KV	6/1/2011	6/1/2011		750,000	\$	750,000
CHAVES CO 345kV Tap	6/1/2008				\$	26,139,450
CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008			184,362	\$	2,200,000
CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	12/1/2007			5,205		3,000,010
ELLSWORTH 230KV TAP	6/1/2007	6/1/2008		124,455	\$	10,560,000
HARPER CAPACITOR	6/1/2006			90,144		1,143,587
LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	10/1/2007	1/1/2008		4,886	\$	3,000,010
Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009		1,566,461	\$	61,850,000
Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	63,317	\$	2,500,000
Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	6,058	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,000,000
POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		192,142	\$	8,727,217
Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	994,873	\$	31,000,000
Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009		673,946	\$	21,000,000
TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	281,709	\$	10,318,679
Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	13,193	\$	650,000
Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	1,372,962	\$	90,000,000
Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	389,113	\$	23,158,819
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009		196,584	\$	10,318,679
Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$	1,376,923	\$	42,000,000
		Total	\$	9.750.144	\$	355,210,038

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034420	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2006	10/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	4/1/2008

Reservation	Upgrade Name	COD	EOC
1034420	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer												
KEPC	1034407	WR	WPEK	45	6/1/2007						\$ 4,144,449	

L-			Total	\$			342,210,568
v	Volfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	39,376	\$	7,000,000
V	Nichita - Reno Co 345KV	6/1/2006	12/1/2010	\$		\$	42,000,000
1	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	52,904	\$	10,318,679
1	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	312,607	\$	23,158,819
1	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010		703,865		90,000,000
1	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010		8,405	\$	650,000
1	FOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	18,414	\$	10,318,679
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009			\$	21,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009		475,142	\$	31,000,000
F	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	20,122	\$	8,727,217
N	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009			\$	5,000,000
N	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		5,929	\$	2,500,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	146,690	\$	61,850,000
ŀ	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$	1,347	\$	20,000
ŀ	HARPER CAPACITOR	6/1/2006	6/1/2007			\$	1,143,587
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008			\$	10,560,000
- (	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008			\$	2,200,000
C	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006			81,914		7,520,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006			164,282		4,100,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008		39,023	\$	1,143,587
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	111.264	\$	2,000,000
Reservation L	Jpgrade Name	COD	EOC		Cost	Tota	al E & C Cos
				Allo	cated E & C		

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034407	Carter JCT Capcitor	6/1/2008	
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	6/1/2006	
	JEC - SWISSVALE 345KV	6/1/2006	
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

	CONSTRUCTION C	naing - The requested service is contingent apon completion of the following appraises. Cost is ne	n assignable	to the transm
[	Reservation	Upgrade Name	COD	EOC
	1034407	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
		IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
Г		IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
		LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
Г		Remove Reactor	6/1/2006	6/1/2006

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
0	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Ston Date	Funding Allowable	Base Rate	to Customer	to Customer
Customer	Reservation	FUR	FUD	Allioulit	Start Date	Stop Date	Start Date	Stop Date	I ulluling Allowable	Dase Nate	to Customer	to customer
KEPC	1034363 Reservation	WR	WR	62	6/1/2006	6/1/2011					\$ 11,253,921	

				Allo	ocated E & C		
Reservation	Upgrade Name	COD	EOC		Cost	Tot	tal E & C Cos
1034363	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$	153,034	\$	2,000,000
	BELOIT 115KV CAPACITOR	6/1/2008	6/1/2008	\$	81,222	\$	1,143,587
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$	371,973	\$	4,100,000
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2006	6/1/2007	\$	1,387,639	\$	7,520,000
	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1	6/1/2008	6/1/2008	\$	528,590	\$	2,200,000
	EEC -GRANT 138KV	6/1/2011	6/1/2011	\$	848,566	\$	5,400,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008	\$	1,647,212	\$	10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$	218.836	\$	1.100.000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	6/1/2007	\$	29,428	\$	150,000
	GRANT - CHISHOLM 138KV	6/1/2011	6/1/2011	\$	172.856	\$	1.100.000
	GREENSBURG - JUDSON LARGE 115KV CKT 1	6/1/2006	12/1/2006	\$	12,134	\$	153,114
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$	254,146	\$	1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$	4.040	\$	20.000
	KELLY - SOUTH SENECA 115KV CKT 1	6/1/2010	6/1/2010	\$	340,087	\$	3,100,000
	KNOLL 230/115KV TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	166,234	\$	3,000,000
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2006	6/1/2007	\$	8.328	\$	100.000
	MINGO CAPACITOR	6/1/2011	6/1/2011	\$	29,806	\$	850,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$	116,265	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009	\$	4,699	\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$	35,645	\$	5,000,000
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2015	6/1/2015	\$	18,292	\$	250,000
	PLAINVILLE CAPACITOR	6/1/2008	6/1/2008	\$	277,574	\$	1,164,639
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	22,011	\$	8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$	-	\$	
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2008	6/1/2008	\$	133,285	\$	3,000,000
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$	292,874	\$	1,200,000
	SPEARVILLE - KINSLEY 115KV	6/1/2008	6/1/2008	\$	371,812		10,000,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$	261,773	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$	177,330	\$	21,000,000
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2008	6/1/2008	\$	1,724	\$	6,000,000
	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 2	4/1/2007	4/1/2009	\$	6,479	\$	10,318,679
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$	2,684	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$	335,365	\$	90,000,000
	Tuco - Tolk 345kV	4/1/2007	12/1/2009	\$	151,193	\$	23,158,819
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$	24,322	\$	10,318,679
	Wichita - Reno Co 345KV	6/1/2006	12/1/2010	\$	2,747,688	\$	42,000,00
	Wolfforth - Carlisle 230kV	4/1/2007	4/1/2009	\$	18,775	\$	7,000,000
			Total	\$	11.253.921	\$	378 778 32

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034363	Carter JCT Capcitor	6/1/2008	
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT	6/1/2008	
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Reservation	Upgrade Name	COD	EOC
1034363	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008
	PHILLIPSBURG TO RHOADES 115KV	6/1/2006	
	Remove Reactor	6/1/2006	6/1/2006

<u>Table 2</u> - Additional Details for Each Request Including All Facility Upgrades Required and Allocated Costs for Each Upgrade

											E & C Cost of	Total E & C Cost of
				Requested	Requested	Requested	Deferred	Deferred	Potential Base Plan	Point-to-Point	<b>Upgrades Allocated</b>	Upgrades Assigned
Customer	Reservation	POR	POD	Amount	Start Date	Stop Date	Start Date	Stop Date	Funding Allowable	Base Rate	to Customer	to Customer
KEPC	1034394	WR	EDE	6	6/1/2006	6/1/2011	6/1/2011	5/31/2016	\$ 1,080,000	\$ -	\$ 559,062	
									\$ 1.080.000	\$ -	\$ 559.062	\$ 294,693,656

				Allocated E & C		
	Upgrade Name	COD	EOC	Cost	Tota	al E & C Cos
1034394	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	12/1/2007	12/1/2007	\$ 6,984	\$	1,000,000
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 13,963	\$	1,900,000
	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	12/1/2007	12/1/2007		\$	2,000,000
	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2006			\$	890,000
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	6/1/2009	\$ 22,302	\$	4,100,000
	ELLSWORTH 230KV TAP	6/1/2007	6/1/2008		\$	10,560,000
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2007	\$ 36,637	\$	1,100,000
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007			\$	150,000
	HARPER CAPACITOR	6/1/2006	6/1/2007	\$ 1,159	\$	1,143,587
	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	6/1/2006	12/1/2006	\$ 248	\$	20,000
	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	10/1/2006	12/1/2007	\$ 8,892	\$	3,200,000
	Mooreland - Potter 345 kV SPS	4/1/2007	12/1/2009	\$ 12,042	\$	61,850,000
	Mooreland - Potter 345 kV WFEC	4/1/2007	12/1/2009		\$	2,500,000
	Mooreland 345/138 kV Transformer	4/1/2007	12/1/2009	\$ 2,300	\$	5,000,000
	Potter - Tolk 345KV	4/1/2007	4/1/2009	\$ 11,129	\$	36,377,173
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 2,250	\$	8,727,217
	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	12/1/2007	4/1/2008	\$ -	\$	-
	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2008	\$ 62,283	\$	1,200,000
	Spearville - Mooreland 345 kV SUNC	4/1/2007	12/1/2009	\$ 20,123	\$	31,000,000
	Spearville - Mooreland 345 kV WFEC	4/1/2007	12/1/2009	\$ 13,631	\$	21,000,000
	SUB 291 - BAXTER SPRINGS 12TH ST SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2014	6/1/2014	\$ 7,000	\$	7,000
	Tuco - Northwest 345kV OKGE	4/1/2007	12/1/2010	\$ 172	\$	650,000
	Tuco - Northwest 345kV SPS	4/1/2007	12/1/2010	\$ 24,750	\$	90,000,000
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	4/1/2007	4/1/2009	\$ 1,900	\$	10,318,679
			Total	\$ 559,062	\$	294,693,656

Expansion Plan - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

Reservation	Upgrade Name	COD	EOC
1034394	Carter JCT Capcitor	6/1/2008	6/1/2008
	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009
	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	6/1/2006	6/1/2007
	JEC - SWISSVALE 345KV	6/1/2006	12/1/2010
	KELLY - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2008
	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2006	4/1/2008
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	10/1/2006	4/1/2008
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2006	4/1/2008
	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2007	6/1/2007
_	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2006	6/1/2010
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	6/1/2007	12/1/2007

Credits may be required for the following network upgrades directly assigned to transmission customers in previous aggregate study.

| Reservation | Upgrade Name | COD | EOC |
| 1034394 SUB 1110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1 | 61/12011 | 61/12011 | 61/12011 |

Reservation	Upgrade Name	COD	EOC
1034394	HEIZER TO KNOLL 230KV	6/1/2006	6/1/2007
	IATAN - ST JOE 345KV CKT 1	12/1/2011	4/1/2007
	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2010	6/1/2010
	Remove Reactor	6/1/2006	6/1/2006

						Estimate d Data	
					Earliest Date	Estimated Date of Upgrade	
Transmission Owner	Ungrade	Solution	Minimum ATC per	Season of Minimum Allocated ATC	Upgrade	Completion	Total Cost
AEPW	Upgrade 36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	Reset Relays @ 36th & Lewis	Upgrade (MW)	16SP	Required (COD) 6/1/2015	(EOC) 6/1/2015	
AEPW	ALTUS JUNCTION 69KV Capacitor	Add 9.6 MVAR Capacitor	561	16SP	6/1/2011		\$500,000
		Replace six (6) 138 kV switches, five at Bann & one at Aluma: Tap. Rebuild 0.67 miles of 1024 ACAR with 2156 ACSR.					
AEPW	ALUMAX TAP - BANN 138KV CKT 1	Replace wavetrap & jumpers @ Bann. Replace breaker 3300 @ Bann.		11SP	6/1/2007	7 4/1/2008	\$1,000,000
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Relays	C	16SP	6/1/2012	6/1/2012	\$15,000
AEPW	BIG SANDY - HAWKINS 69KV CKT 1	Rebuild 5.5 miles of 477 ACSR with 1272 ACSR		16SP	6/1/2016	6/1/2016	\$2,750,000
AEPW	BIG SANDY - PERDUE 69KV CKT 1	Rebuild 5.4 miles of 477 ACSR with 1272 ACSR		16SP	6/1/2016	6/1/2016	\$2,700,000
AEPW AEPW	DAINGERFIELD - JENKINS REC T 69KV CKT 1  ERCOTN-SPP DC Tie Expansion	Reset Daingerfield relays Add 200 MW HVDC Tie		11SP 11WP	6/1/2010 5/1/2008		\$15,000 \$55,000,000
ALFW	EROOTIFOL DO LIE EXPANSION	Aud 200 WWW TTV DO TIE		TIVVE	3/1/2006	12/1/2010	\$55,000,000
AEPW	FIXICO TAP - MAUD 138KV CKT 1 AEPW	Rebuild 11.83 miles of 3/0 shielded Copperweld with 795 ACSR	e. c	16SP	6/1/2014	6/1/2014	\$5,500,000
AEPW	FOREST HILLS REC - MAGNOLIA TAP 69KV CKT 1	Replace switch # 9116 @ Magnolia Tai		16SP	6/1/2016	6/1/2016	\$125,000
AFPW	FOREST HILLS REC - QUITMAN 69KV CKT 1	Replace Quitman bus, switches & jumpers. Change CT & rela		16SP	6/1/2013	6/1/2013	\$250,000
AEPW	Headley 4 Mvar DVAR	settings @ Quitman Install a new 4 Mvar DVAR		11WP	6/1/2007		\$1,000,000
AEPW	HOBART JUNCTION - TAMARAC TAP 138KV CKT 1	Replace Hobart Jct. Wavetrar	10	16SP	6/1/2011	6/1/2011	\$100,000
		Replace wavetraps at both ends. Reset CTs @ Lone Star South					
AEPW	LONE STAR SOUTH - PITTSBURG 138KV CKT 1	Replace switches & reset relays @ Pittsburg	С	16SP	6/1/2015	6/1/2015	\$300,000
		Replace switch # 9114 @ Magnolia Tap. Replace switches @					
AEPW AEPW	MAGNOLIA TAP - WINNSBORO 69KV CKT 1  SPP-ERCOTE DC Tie Expansion	Winnsboro. Reset Cts and relay settings at Winnsboro.  Add 25 MW HVDC Tie		16SP	6/1/2016		\$400,000
ALFVV	SFF-ERCOTE DC TIE EXPANSION	Tie Line, Reconstruct and replace 8.2 miles of 556 ACSR with		07SH	1/1/2007	12/1/2010	\$24,000,000
EMDE	CARTHAGE - SUB 109 - ATLAS JCT. 161KV CKT 1	Bundled 556 ACSR.	C	16SP	6/1/2015	6/1/2015	\$3,730,000
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	Replace 600 amp disconnects and leads to breaker #6965 a Joplin #64		11SP	014107		
EMDE EMDE	SUB 291 - BAXTER SPRINGS 12TH ST SUB 406 - RIVERTON SOUTH 69KV CKT 1	Change Relay Settings at Baxter W. #271		11SP 16SP	6/1/2011 6/1/2014	6/1/2011	\$55,000 \$7,000
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Replace 50 MVA Transformer with 84 MVA unit	Č	06SP	6/1/2006	3/1/2008	\$890,000
GRDA	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	Rebuild line between Kerr and Siloam Spring	33	16SP	6/1/2016		\$8,500,000
		Reconductor 4 miles with 1192.5 ACSS, 558 normal/emergency					
KACP KACP	COLLEGE - CRAIG 161KV CKT 1 SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1	rating and upgrade breaker.		16SP	6/1/2016		\$700,000
MIDW	KNOLL 230/115KV TRANSFORMER CKT 2	replace existing transformer with larger un Install 2nd 230/115kV Transformer at Knol		07SH 16SP	6/1/2007		\$500,000
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Conductor		06SP	6/1/2006		\$1,300,000
MIPU	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	Conductor	Ċ	06SP	6/1/2006	12/1/2007	\$1,605,500
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	Wave Trap		06SP	6/1/2006		\$50,000
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conducto		08SP	6/1/2006		\$4,244,500
MIPU	RALPH GREEN 12MVAR CAPACITOR	12MVAR at Ralph Green	64	08SP	6/1/2008	6/1/2008	\$350,000
OKGE	ALVA - KNOBHILL 69KV CKT 1	Replace bus differential relaying and increase CTR to 600A.	115	08SP	6/1/2008	6/1/2008	\$100,000
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace 800A trap at Cedar Lane	105	16SP	6/1/2012	6/1/2012	\$50,000
OKGE	CHEROKEE PL TAP - CONTINENTAL BLACKS 69KV CKT 1	Reconstruct and replace 1.54 miles of 477AS33 conductor with 795AS33.	403	16SP	6/1/2016	6/1/2016	\$462,000
OKOL	OTENOREETE TAL - GONTINENTAL BEAGNO GONT ONT T	Increase Chickasaw Capacitors to 45MVAR and increase Towe	402	1001	0/1/2010	0/1/2010	ψ402,000
OKGE	Chickasaw Capacitors & Tower Heights Capacitors	Heights capacitors to a total of 6MVAR.	1956	16SP	6/1/2016	6/1/2016	\$90,000
OKGE	CONTINENTAL BLACKS - OSAGE 69KV CKT 1	Rebuild & Reconductor 0.57 Miles of 477AS33 to 477 ACCC/TW	167	16SP	6/1/2015	6/1/2015	\$100,000
OKOL	GONTINEITAE BEAGNO - GOAGE GONT GITT	Reconductor .75 with ACCC conductor. Increase CTRs to a	107	1001	0/1/2010	0/1/2013	\$100,000
	FAIRMONT TAP - WOODRING 138KV CKT 1	least 1600-5 ratio. Line relays will need to check to determine it	f				
OKGE	FAIRMONT TAP - WOODRING 138KV CKT 1  FIXICO TAP - MAUD 138KV CKT 1 OKGE	replacement is needed.  Upgrade the CT ratio to 800A		11SP	6/1/2011	6/1/2011	\$850,000
OKGE OKGE	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	Replace bus tie with 100MVA transforme	67	16SP 08SP	6/1/2014 6/1/2007		\$20,000 \$1,500,000
ONOL	INTODINEE (INTODINE) 10000 10.214 114 INTO OTHER OTT	Replace 1200Ct and 1600 Amp switch with 2000Amp	0.	0001	0/1/2007	0.1.2000	\$1,000,000
OKGE	PARK LANE - SEMINOLE 138KV CKT 1	equipment.		16SP	6/1/2015	6/1/2015	\$100,000
OKGE	Tuco - Northwest 345kV OKGE	Build new 345kV line from Tuco to Northwes	C	06WP	4/1/2007	12/1/2010	\$650,000
OKGE	WAUKOMIS TAP - WOODRING 138KV CKT 1	Reconductor 2.75 miles of line with Drake ACCC conductor and increase CTR.	,	11SP	6/1/2010	6/1/2010	\$1,500,000
SPRM	BROOKLINE - JUNCTION 161KV CKT 1	Reconductor 1192 AAC with 1158 4 ACSS/TW		16SP	6/1/2015		\$1,500,000
SPRM	JAMES RIVER - SEMINOLE 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW		11SP	6/1/2010		\$1,600,000
SPS	BC-EARTH INTERCHANGE 115KV	Install 1 - 14.4 MVar capacitor banl	C	16SP	6/1/2011	6/1/2011	\$750,000
SPS	BOOKER 69KV	Install 1 - 7.2 MVar capacitor bank at Booker 69 k <sup>1</sup>	28	11SP	6/1/2011	6/1/2011	\$750,000
SPS	Bowers Project	Tap Elk City - Grapevine. New line from Stateline Tap to Grave Co. New 115/69xfmr at Graves Co.		07WP	6/1/2006	2/1/2009	\$6,000,000
SPS	CHAVES 230kV SVC	Add +150/-50 SVC at Chaves County Interchange 230 kV bus	C	08SP	6/1/2008	6/1/2008	\$10,400,000
		Build a new 57 mile 345 kV line from Chaves County Interchange to a New Substation, on the Tolk to EDDY 345 kV					
		line, which requires two 345 kV terminals and a 345/230 kV					
SPS	CHAVES CO 345kV Tap	transformers.	c	16SP	6/1/2008	6/1/2008	\$26,139,450
SPS	CUNNINGHAM STATION 230/115KV TRANSFORMER CKT 1	Add 2nd 150 MVA transformer at Cunninghan		11WP	12/1/2007		\$3,000,010
SPS	LEA COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Add 2nd 150 MVA transformer at Lea Co Intg	C	07FA	10/1/2007	7 1/1/2008	\$3,000,010
SPS	LEA COUNTY INTERCHANGE 230KV CAPACITORS	Install 2 - 50 MVar capacitor banks on the 230 kV bus at Lea County Interchange	,	08SP	6/1/2008	6/1/2008	\$1,381,023
0		New 345 kV line from Potter to Mooreland on wooden h-fram					
SPS	Mooreland - Potter 345 kV SPS	structures.		06WP	4/1/2007		\$61,850,000
SPS	Mooreland 345/138 kV Transforme	New Mooreland 345/138 kV Transforme	C	06WP	4/1/2007	12/1/2009	\$5,000,000
		Terminate V53 at Mustang instead of Denver City - 3 mi of new		1			
SPS	Mustang-San Andr-Amerada Hess 115KV	115 kV circuit. Mustang-San Andr-Amerada Hess 115 kV ckt	c	08SP	6/1/2008	6/1/2008	\$1,742,892
		New 345 kV circuit from Potter - Tolk using 2-795 ACSR on					
SPS SPS	Potter - Tolk 345KV  POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 1	wooden h-frame structures.		11WP	4/1/2007		\$36,377,173
SPS	TOLK INTERCHANGE 345/230 TRANSFORMER CKT 1	New 345/230 kV 560 MVA transformer Install 2nd 345/230 kv at Tolk		06WP 07WP	4/1/2007 4/1/2007	7 4/1/2009 7 4/1/2009	\$8,727,217 \$10,318,679
SPS	Tuco - Northwest 345kV SPS	Build new 345kV line from Tuco to Northwes		06WP	4/1/2007		\$90,000,000
SPS	Tuco - Tolk 345kV	Build new 345kV line from Tuco to Toll	(	07WP	4/1/2007	12/1/2009	\$23,158,819
SPS	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	Install 345/115 kV Transformer at Tucc		06WP	4/1/2007		\$10,318,679
SPS	Wolfforth - Carlisle 230kV	Close 230kV loop around Lubbock, Ti	(	07WP	4/1/2007	4/1/2009	\$7,000,000

CUNC	MINION CARACITOR	Leadell AC MANAD Connection Deads at Miner FC ACC	404 4	1460	0/4/0044	0/4/0044	6050 000
SUNC	MINGO CAPACITOR	Install 16 MVAR Capacitor Bank at Mingo 56429	491 1	ITSP	6/1/2011	6/1/2011	\$850,000
SUNC	Spearville - Mooreland 345 kV SUNC	New 345 kV line from Spearville to Kansas/Oklahoma Stateline	0.0	06WP	4/1/2007	12/1/2009	\$31,000,000
WEPL	BELOIT 115KV CAPACITOR	Install capacitor at Beloi	118 0		6/1/2008	6/1/2008	\$1,143,587
		Building a new 115 kV tie with Westar from Greenleaf to Cla					¥ 1,1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Center	0 0	)7WP	6/1/2006	6/1/2007	\$7,520,000
		Build a new 230/115 kV Sub at Ellsworth tapped with the 230 kV					
WEPL	ELLSWORTH 230KV TAP	line	118 0	07SP	6/1/2007	6/1/2008	\$10,560,000
WEPL	GREENSBURG - JUDSON LARGE 115KV CKT 1	Replace relaying		06SP	6/1/2006	12/1/2006	\$153,114
WEPL	HARPER CAPACITOR	20MVAR at Harper 138kV	234 0		6/1/2006	6/1/2007	\$1,143,587
WEPL	HARPER CAPACITOR	20MVAR at Harper 138kV	234 0		6/1/2008	6/1/2008	\$1,143,587
WEPL	HARPER CAPACITOR	20MVAR at Harper 138kV	234 0	06SP	6/1/2008	6/1/2011	\$1,143,587
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Upgrade CTs and Wave Trap Limit:		07SH	6/1/2006	6/1/2007	\$100,000
WEPL	MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1	Upgrade to 100MVA transforme	154 0		10/1/2006	12/1/2007	\$3,200,000
WEPL	PLAINVILLE CAPACITOR	Install capacitor at plainville	221 1		6/1/2008	6/1/2008	\$1,164,639
WEPL	SPEARVILLE - KINSLEY 115KV	Build 115 kV tie line from Spearville to Kinsle	231 1		6/1/2008	6/1/2008	\$10,000,000
WERE	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	Tear down and rebuild 3.66 mile 166-Jaggard 115 kV line			12/1/2007	12/1/2007	\$1,000,000
WERE	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-166 115 kV lini		08SP	6/1/2008	6/1/2008	\$1,900,000
WERE	17TH STREET TRANSFORMER CKT 2	Install second 138-69 kV transforme Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115	0 1	16SP	6/1/2012	6/1/2012	\$2,400,000
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1	kV line	0.0	)7WP	12/1/2007	12/1/2007	\$2,000,000
WERE	95 IT & WAVERLY - CAPTAIN JUNCTION TISKY CKT I	KV line.	00	J/WP	12/1/2007	12/1/2007	\$2,000,000
WERE	ARKANSAS CITY - PARIS 69KV CKT 1	Replace disconnect switches and jumpers at Paris and Ark City	104 1	11SD	6/1/2006	11/1/2006	\$50,000
WERE	ARKANSAS CITY - PARIS 69KV CKT 1  ARKANSAS CITY - SUMNER COUNTY NO. 5 SILVERDALE 69KV CKT 1	Breaker, Disconnect, CT, and Jumper  Breaker, Disconnect, CT, and Jumpe	367 1		6/1/2006	6/1/2015	\$50,000
WERE	BELL - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	Rebuild 7.3 miles of line	150 0		12/1/2007	12/1/2007	\$2,000,000
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipmen			10/1/2007	10/1/2007	\$40,000
WERE	CHASE - WHITE JUNCTION 69KV CKT 1	Rebuild	275 1		6/1/2016	6/1/2016	\$1,650,000
**EINE	STATE STATE STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF	Rebuild 15.15 mile line with 1192.5 kcmil ACSR and replace	2/3 1		5, 1/2010	0/1/2010	ψ1,050,000
WERE	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	CTs	0.0	06FA	10/1/2006	6/1/2009	\$4,100,000
WERE	CITY OF WELLINGTON - SUMNER COUNTY NO. 3 MILLER 69KV CKT 1	Tear down / Rebuild 2.07-mile line with 954 kcmil ACSI	154 0		12/1/2007	12/1/2007	\$500.000
WERE	CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	Tear down / Rebuild 9.1-mile line	109 0		6/1/2006	6/1/2007	\$2,650,000
WERE	CITY OF WINFIELD - RAINBOW 69KV CKT 1	Rainbow-Winfield line	142 0		6/1/2006	6/1/2007	\$900,000
WERE	CLEARWT - GILL ENERGY CENTER WEST 138KV CKT 1		729 0		6/1/2008	6/1/2008	\$2,200,000
WERE	COFFEYVILLE SUB - DEARING 69KV CKT 1			)7AP	4/1/2007	4/1/2007	\$60,000
WERE	CRESWELL - NEWKIRK 138KV CKT 1	Rebuild Creswell-Newkirk 138	660 1	I6SP	6/1/2016	6/1/2016	\$3,800,000
WERE	CRESWELL - OAK 69KV CKT 1	Rebuild substations	134 0	06SH	6/1/2006	6/1/2007	\$143,000
WERE	CRESWELL - PARIS 69KV CKT 1	Rebuild substations	144 1	I1SP	6/1/2006	6/1/2007	\$300,000
		Rebuild 9.43 mile Creswell-SC4 Rome as a 138 kV line bu					
WERE	CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1	operate at 69 kV.	101 0		6/1/2006	2/1/2008	\$2,750,000
WERE	CRESWELL (CRESWL1X) 138/69/13.2KV TRANSFORMER CKT 1	Replace transformers	176 1		6/1/2014	6/1/2014	\$3,000,000
WERE	EEC -GRANT 138KV	Construct EEC-Grant-Chisholm 138 kV	0 1	I6SP	6/1/2011	6/1/2011	\$5,400,000
		Rebuild 11-mile McDowell-Ft Junction 115 kV 1&2 with 1192.5					
WERE	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1	kemil ACSR		I1SP	6/1/2011	6/1/2011	\$3,000,000
WERE	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	Rebuild Gill-Gill Jc		I1SP	6/1/2007	6/1/2007	\$1,100,000
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap		16SP	6/1/2013	6/1/2013	\$20,000
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	Replace substation bus and jumpers at MacArthur 69 kV		I1SP	6/1/2007	6/1/2007	\$150,000
WERE	GRANT - CHISHOLM 138KV	Construct EEC-Grant-Chisholm 138 kV	0 1	I6SP	6/1/2011	6/1/2011	\$1,100,000
WERE	HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1	Replace wave traps on TEC-County Line 115 kV line Rebuild 10.28 mile line with 1192.5 kcmil ACSR and replace	0 1	16SP	6/1/2006	12/1/2006	\$20,000
WERE	KELLY - SOUTH SENECA 115KV CKT 1	CTs.	321 1	11CD	6/1/2010	6/1/2010	\$3,100,000
WERE	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	NE Parsons bus & jumpers	746 1		6/1/2015	6/1/2015	\$250,000
WERE	OAK - RAINBOW 69KV CKT 1	Oak-Rainbow rebuilt	136 1		6/1/2006	2/1/2007	\$1,500,000
WERE	REDISPATCH FOR WOLF CREEK OUTAGE 07WP	Oak-Railibow lebuik	573 0		12/1/2007	4/1/2008	\$1,500,000
**LINL		Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kV line	3/3 0		.2/1/2007	7/1/2000	
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	but operate at 69 kV.	0.0	08SP	6/1/2006	6/1/2007	\$1,500,000
WERE	RICHLAND - UDALL 69KV CKT 1	Richland-Udall rebuild		ISP	6/1/2007	5/1/2008	\$2,300,000
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	Add third 345-138 kV transformer at Rose Hi	0 1	I6SP	6/1/2008	6/1/2008	\$3,000,000
WERE	SOUTHWEST LAWRENCE - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 4.09 mile SW Lawrence-Wakarusa 115 kV line		08SP	6/1/2008	6/1/2008	\$1,200,000
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install 2nd Xfmr		ITSP	6/1/2008	6/1/2008	\$6,000,000
WERE	TIMBER JUNCTION - UDALL 69KV CKT 1	Udall-Timber rebuilc	37 1	I1SP	7/1/2007	7/1/2007	\$600,000
WERE	WELLINGTON CAPACITOR	Wellington reactive suppor	182 0		6/1/2007	6/1/2007	\$600,000
WERE	Wichita - Reno Co 345KV	Build 345kV from Wichita to Reno Cc		06WP	6/1/2006	12/1/2010	\$42,000,000
WFEC	ANADARKO - CYRIL 69KV CKT 1	Reconductor 13 miles from 336 to 795 ACSF		08SP	6/1/2008	6/1/2008	\$3,250,000
WFEC	ANADARKO 138/69KV TRANSFORMER CKT 1	Install 2nd 112 MVA auto in parallel with existing Un		16SP	6/1/2011	6/1/2011	\$2,000,000
WFEC	BROWN - RUSSETT 138KV CKT 1	Upgrade Terminal Equipment at Brown- Switches/Wavetraps	164 1	I1SP	6/1/2011	6/1/2011	\$100,000
WFEC	FT SUPPLY - WOODWARD 69KV CKT 1	Reconductor 18.0 miles from 336 to 795 ACSF	77 0	)7AP	4/1/2007	2/1/2008	\$4,500,000
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Supply	58 0		12/1/2006	6/1/2007	\$1,500,000
WFEC	GLASS MOUNTAIN - MOORELAND 138KV CKT 1	Terminal Upgrade at Mooreland (CTS	198 0		6/1/2007	6/1/2007	\$50,000
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	28 1	I6SP	4/1/2007	6/1/2008	\$3,400,000
WFEC	Mooreland - Potter 345 kV WFEC	345 kV line Termina		06WP	4/1/2007	12/1/2009	\$2,500,000
WFEC	Mooreland 345/138 kV Transforme	New Mooreland 345/138 kV Transforme		06WP	4/1/2007	12/1/2009	\$5,000,000
			559 1	ISSD	6/1/2011	6/1/2011	\$75,000
	Russell Switch Capacito	Increase 12 to 18 MVARs at Russell Switch	209 1	1001	0/ 1/2011	0/1/2011	
WFEC							
WFEC	Spearville - Mooreland 345 kV WFEC	New 345 kV line from Kansas/Oklahoma Stateline to Mooreland	0 0	06WP	4/1/2007	12/1/2009	\$21,000,000
WFEC			0 0 52 1				

Construction Pend	ling Projects - The requested service is contingent upon completion of the following upgrades. Cost is no	assignable to the transmission customer.				
Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	AEPW PLANNED UPGRADE FOR NW ARKANSAS	NW Project phase II scheduled to be in-service 06/200		06SP	6/1/2006	6/1/2009
AEPW	NORTH MINEOLA - WINNSBORO 69KV CKT 1	New 138 kV Line with 6/1/07 In-Service Date		06SP	6/1/2006	6/1/2007
KACP	LACYGNE-PAOLA-WEST GARDER 345KV	New 345/161kV transformer and 345kV line tapping LaCyne West Gardner 345kV		9 07SH	6/1/2007	
MIDW	HEIZER TO KNOLL 230KV			1 06WP	6/1/2006	
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	91	11WP	12/1/2011	4/1/2007
MIPU	IATAN5 161 - PLATTE CITY 161KV CKT 1	Terminal Equipmen		11WP	6/1/2010	6/1/2010
SUNC	Remove Reactor		18	06SH	6/1/2008	6/1/2008
SUNC WEPL	RULETON 115KV CAPACITOR PHILLIPSBURG TO RHOADES 115KV	12 MVAR Capacitor Bank at Ruleton 56373 will be in service summer 2006		5 06SP	6/1/2006	
WERE	GILL ENERGY CENTER WEST - PECK 69KV	Rebuild 10.46 mile Gill-Peck line 138 kV line, but operated at 6 kV		1 06FA	6/1/2006	
WERE	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	Replace Midian 138-69 kV transformer	10	2 06SP	6/1/2006	6/1/2007
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV line but operate at 69 kV.	10	3 06SH	6/1/2006	6/1/2007

Expansion Plan Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.

	Projects - The requested service is contingent upon completion of the following upgrades. Cost is not a					
					- "	Estimated Date
Transmission			Minimum ATC per	Season of Minimum	Earliest Date Upgrade	of Upgrade Completion
Owner	Upgrade	Solution	Upgrade (MW)	Allocated ATC	Required (COD)	(EOC)
		Rebuild 1.68 miles of 1024 ACAR with 2156 ACSR, Replace	, ,			, ,
		wavetrap & jumpers with 2156 ACSR. Replace Switch 2285 @				
AEPW AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1  LINWOOD - MCWILLIE STREET 138KV CKT 1	Alumax Tap.  Rebuild 2.09 miles of 666 ACSR with 1272 ACSF		07SP 07SP	6/1/2006	3/1/2008
AEPW AEPW	MINEOLA - NORTH MINEOLA 69KV CKT 1	Replace Mineola Switches & Breake		0 11SP	6/1/2007	
AEPW	NORTHWEST HENDERSON - POYNTER 69KV CKT 1	Rebuild 3.22 miles of 397 ACSR with 795 ACSR		16SP	6/1/2016	
EMDE	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	Replace Jumpers to breaker #6950 at Blackhawk Jc		16SP	6/1/2012	6/1/2012
EMDE	NEOSHO - SUB 184 - NEOSHO SOUTH JCT. 161KV CKT 1	2006 - 2010 Replace Metering CTs at Neosho SP/		08SP	6/1/2008	
EMDE	Nichols - Republic North	Data for Line from Nichols 59542 to Republic North 5957		16SP	6/1/2016	6/1/2016
EMDE	Republic North - Republic East	Data for Line from Republic North 59576 to Republic East 5958	0 !	16SP	6/1/2016	6/1/2016
EMDE	RIVERSIDE CAPACITOR	Install 3 - stages of 22 MVAR each for a total of 66 MVAR capacitor bank at Riverside Sub #438 59497		7 16SP	6/1/2016	6/1/2016
EMDE	SUB 124 - AURORA H.T SUB 152 - MONETT H.T. 69KV CKT 1	Change CT Ratio on breaker #6936 at Aurora #124		11SP	6/1/2011	
LINDL	SSS 124 FORGIVERY SSS 102 MICHELTTES SSR SR 1	Change Relay Settings and change jumpers on switch a	,	7 1101	0/1/2011	0/1/2011
EMDE	SUB 167 - RIVERTON - SUB 406 - RIVERTON SOUTH 69KV CKT 1	Riverton Sub #406		11SP	6/1/2007	6/1/2007
		Replace 75 MVA Auto-xfmr at Joplin SW with 150 MVA Auto-				
		xfmr and install 69 kV bank breaker. Auto-xfmr will have an				
EMDE	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	impedance similar to Aurora 59468, 59537, 59704.	(	06SP	6/1/2006	6/1/2010
EMDE	SUB 390 - PURDY SOUTH 69KV	Install 2 - stages 6 MVAR each for a total of 12 MVAR capacito bank at Purdy #390 59404		16SP	6/1/2016	6/1/2016
EMDE	30B 390 - FORDT 300TH 09RV	Rebuild of Pensacola - Jayline (not owned by GRDA have trie		J 105P	0/1/2010	6/1/2016
GRDA	GRAY TAP - PENSACOLA 69KV CKT 1	to convince owner)		06SP	6/1/2006	6/1/2007
		Replace 800 amp wavetrap at Gladstone with 1200 am				
KACP	AVONDALE - GLADSTONE 161KV CKT 1	wavetrap	131	1 16SP	6/1/2012	6/1/2012
MIPU	ANACONDA - FREEMAN 69KV CKT 1	Conductor		06SP	6/1/2006	
MIPU	ANACONDA - HARRISONVILLE WEST 69KV CKT 1	Conductor		06SP	6/1/2006	
MIPU	EAST 20MVAR CAPACITOR			11SP	6/1/2011	6/1/2011
	COLORNY ST CHITTH 404104 CHT 4	Reconductor 2.2 miles to Drake ACCC/TW and change termina				
OKGE OKGE	COLONY - FT SMITH 161KV CKT 1  PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	equipment at Ft. Smith & Colony to 2000A.  Add 2nd 345/161 kV 369MVA transformer		11SP 2 16SP	6/1/2011 6/1/2016	6/1/2011
UNGE	PECAN CREEK (PECANCKI) 345/101/13.0KV TRANSFORMER CKI I	Replace the disconnect switches for breaker 108 a	3,	2 105P	0/1/2010	0/1/2010
		Pennsylvania Substation. Replace the 1200A trap. Increase				
OKGE	PENNSYLVANIA - WESTMOORE 138KV CKT 1	CTR. Relay replacement may be required.	49	07FA	10/1/2007	6/1/2008
SPRM	KICKAPOO - SUNSET 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW		11SP	6/1/2011	
SPRM	NEERGARD - NORTON 69KV CKT 1	Reconductor 363 ACSR with 477 ACSS/TW		11SP	6/1/2011	6/1/2011
SPS	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 1	Upgrade 115/69 kV transformer		07SP	6/1/2007	
SPS	CARLSBAD PLANT 115/69KV TRANSFORMER CKT 2	Upgrade 115/69 kV transformer		16SP	6/1/2007	
SPS	Seven Rivers to Pecos to Potash Junction 230k\	Seven Rivers to Pecos to Potash Junction 230k\		08WP	6/1/2007	4/1/2008
000	SNANDR3 115KV	Install 1 - 14.4 MVar capacitor bank on the 115 kV bus at Sar Andress		08WP	6/1/2008	6/1/2008
SPS SPS	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1	Upgrade Transformer 230/115 kV 252 MVA		11SP	6/1/2011	6/1/2011
SUNC	HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1	Holcomb to Pioneer Tap Rebuilk		06SH	6/1/2006	10/1/2007
SWPA	NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1	Add 161/69kV transformer at Nixa		11SP	6/1/2011	6/1/2011
WERE	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	Rebuild 16.66 mile Circleville-Hoyt HTI Junction 115 kV line.		06WP	10/1/2006	6/1/2009
WERE	COUNTY LINE (COLINE5X) 115/69/34.5KV TRANSFORMER CKT 1	Replace County Line Transforme		1 08WP	12/1/2008	
WERE	DEARING TRANSFORMER CKT 2	Install 2nd 138-69 kV at Dearing		11WP	12/1/2011	
WERE	FARMERS CONSUMER CO-OP - WAKARUSA JUNCTION SWITCHING STATION 115KV CKT 1	Rebuild 1.53-mile Co-op-Wakarusa 115 kV line		08SP	6/1/2008	6/1/2008
	GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1	Install transfer trip relay to automatically open Gill transformer # high side breaker (57044-57796-56733).			01410000	0/4/0007
WERE WERE	JEC - SWISSVALE 345KV	Construct JEC-Swissvale 345 kV line		06SP 06FA	6/1/2006	
WERE	JEC - SWISSVALE SASKV	Reconductor 9.61 mile line with 1192.5 kcmil ACSR and replace	,	JUUFA	0/1/2000	12/1/2010
WERE	KELLY - KING HILL N.M. COOP 115KV CKT 1	CTs.		07FA	10/1/2006	4/1/2008
WERE	LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2	Install second Lawrence Hill 230-115 kV transforme		0 06SP	6/1/2006	
		Tear down and rebuild 6.40 mile Mockingbird-Stull Tap 115 k\				
WERE	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	line.		07WP	10/1/2006	4/1/2008
		Teardown/rebuild Jarbalo-NW Leavenworth 115 kV line with				
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	double circuit tap to Stranger Creek		11SP	6/1/2011	6/1/2011
l		Tear down and rebuild 9.84 mile Tecumseh Hill-Stull Tap 115 k				
WERE	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	line.	(	07FA	6/1/2006	4/1/2008
WEDE	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	Uprate 0.24 mile TEC-Tecumseh Hill 115 kV line to 100 degree operation.		11SP	6/1/2007	40/4/0007
WERE WFEC	Carter JCT Capcitor	Increase 6 to 24 MVAR at Carter JCT		0 08SP	6/1/200/	7 12/1/2007 3 6/1/2008
WFEC	Snyder Capacitor	Increase 12 to 24 MVAR at Carter 3C1		16SP	6/1/2016	
	landam askanan	IL to Li mirrir di onydor		1	3, 1/2010	37.72310

Previously Assigned Aggregate Study Upgrades requiring credits to Previous Aggregate Study Customers

Transmission Owner	Upgrade		Minimum ATC per Upgrade (MW)	Season of Minimum	Earliest Date Upgrade	Estimated Date of Upgrade Completion (EOC)
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Replace 50 MVA Transformer with 84 MVA unit		06SP	6/1/2006	3/1/2008
WERE	CRESWELL - OAK 69KV CKT 1	Rebuild substations	134	06SH	6/1/2011	6/1/2011
		Rebuild 10.46 mile Gill-Peck line 138 kV line, but operated at 6				
WERE	GILL ENERGY CENTER WEST - PECK 69KV	kV		06FA	6/1/2006	6/1/2007
WERE	MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1	Replace Midian 138-69 kV transformer	102	06SP	6/1/2006	6/1/2007
		Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kV line				
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	but operate at 69 kV.		08SP	6/1/2015	6/1/2015
		Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV lin€				
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	but operate at 69 kV.	108	06SH	6/1/2006	6/1/2007

Table 4 - Third Party Facility Constraints

Transmission			Estimated Engineering
Transmission Owner	Upgrade		Estimated Engineering & Construction Cost
	Undetermined at This Time	Indeterminate	Indeterminate

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1 AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1 From->To AFTON - MIAMI 161KV CKT 1 AFTTAUTO11521544325443111306SP

Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief									
Reservation	Relief Amount	Amount									
10343		0.3 0.3	<u> </u>								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
GRDA	PENSACOLA	1	11	0.00237		PENSACOLA	4	11	0.1142	-0.11184	2
GRDA	PENSACOLA	1	11	0.00237		PENSACOLA	5	11	0.1142		2
GRDA	PENSACOLA	1	11	0.00237		PENSACOLA	6	11	0.1142		
GRDA	PENSACOLA	2	21			PENSACOLA	5	11	0.1142	-0.11184	. 2
GRDA	PENSACOLA	2	21			PENSACOLA	6	11	0.1142		. 2
GRDA	PENSACOLA	2	21	0.00237		PENSACOLA	4	11	0.1142		
GRDA	PENSACOLA	3	21	0.00-0.		PENSACOLA	6	11	0.1142		
GRDA	PENSACOLA	3	21			PENSACOLA	5	11	0.1142		
GRDA	PENSACOLA	3	21			PENSACOLA	4	11	0.1142		
GRDA	KERR	2	28.5	0.02108		PENSACOLA	6	11	0.1142		
GRDA	KERR	2	28.5			PENSACOLA	4	11	0.1142		
GRDA	KERR	2	28.5	0.02108		PENSACOLA	5	11	0.1142		
GRDA	KERR	1	28.5	0.01954		PENSACOLA	5	11	0.1142		
GRDA	KERR	1	28.5	0.01954		PENSACOLA	6	11	0.1142		
GRDA	KERR	1	28.5	0.01954		PENSACOLA	4	11	0.1142		
GRDA	SALINA	6	43	0.01954		PENSACOLA	4	11	0.1142		
GRDA	SALINA	6	43	0.01954		PENSACOLA	5	11	0.1142		
GRDA	SALINA	6	43	0.01954	GRDA	PENSACOLA	6	11	0.11421	-0.09467	4 3

BALINA De 1 43 0.01934 GROW PENSACULA
Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.
Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1
From->To
AFTON-MIAMI 161KV CKT 1
AFTTAUTO11521544325443111307SP Upgrade: Limiting Facility: Direction:

Line Outage: Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Relief Amou									
103	34394	0.3	0.3								
			Maximur Increme		Sink Control			Maximum Decrement			Redispatch Amount
Source Control Area	Source	Sourc	e Id MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
GRDA	PENSACOLA	1		21 0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	2
GRDA	PENSACOLA	1		21 0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	1		21 0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	2		21 0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	2		21 0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	2		21 0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	3		21 0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	3		21 0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	3		21 0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	, 2
GRDA	GRDA1 GSU1	1	12.920	99 0.01891	GRDA	PENSACOLA	5	11	0.11411	-0.0952	3
GRDA	GRDA1 GSU1	1	12.920	99 0.01891	GRDA	PENSACOLA	6	11	0.11411	-0.0952	: 3
GRDA	GRDA1 GSU1	1	12.920	99 0.01891	GRDA	PENSACOLA	4	11	0.11411	-0.0952	3
GRDA	KERR	2	28	.5 0.02087	GRDA	PENSACOLA	4	11	0.11411	-0.09324	, 3
GRDA	KERR	2	28	.5 0.02087	GRDA	PENSACOLA	5	11	0.11411	-0.09324	. 3
GRDA	KERR	2	28	.5 0.02087	GRDA	PENSACOLA	6	11	0.11411	-0.09324	, 3
GRDA	KERR	1	28	.5 0.01931	GRDA	PENSACOLA	6	11	0.11411	-0.0948	3
GRDA	KERR	1	28	.5 0.01931	GRDA	PENSACOLA	5	11	0.11411	-0.0948	, 3
GRDA	KERR	1	28	.5 0.01931	GRDA	PENSACOLA	4	11	0.11411	-0.0948	, 3
GRDA	SALINA	6		13 0.01931	GRDA	PENSACOLA	4	11	0.11411	-0.0948	3
GRDA	SALINA	6		13 0.01931	GRDA	PENSACOLA	5	11	0.11411	-0.0948	, 3
GRDA	SALINA	6		13 0.01931	GRDA	PENSACOLA	6	11	0.11411	-0.0948	3

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1 AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1 From->To

AFTON - MIAMI 161KV CKT 1 AFTTAUTO12521544325443113307FA Line Outage: Flowgate:

Date Redispatch Needed: 10/1/07 - 12/1/07

			Aggregate Relief
Reservation	Relief Amount		Amount
977481		0.1	0.2
1032990		0.0	0.2
1032991		0.0	0.2
1032991		0.0	0.2
1034394		0.0	0.2
1034542		0.1	0.2
1037590		0.0	0.2
1037591		0.0	0.2

103759	1 0.0	0.2	Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
GRDA	GRDA1 GSU1	1	80	0.01891	GRDA	PENSACOLA	4	11	0.11411	-0.0952	: 2
GRDA	GRDA1 GSU1	1	80	0.01891	GRDA	PENSACOLA	5	11	0.11411	-0.0952	. 2
GRDA	GRDA1 GSU1	1	80	0.01891	GRDA	PENSACOLA	6	11	0.11411	-0.0952	. 2
GRDA	GRDA1 GSU2	2	97.92401	0.01269	GRDA	PENSACOLA	5	11	0.11411	-0.10142	1 2
GRDA	GRDA1 GSU2	2	97.92401	0.01269	GRDA	PENSACOLA	6	11	0.11411	-0.10142	. 2
GRDA	GRDA1 GSU2	2	97.92401	0.01269	GRDA	PENSACOLA	4	11	0.11411	-0.10142	. 2
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	4	11	0.11411	-0.09324	, 2
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	5	11	0.11411	-0.09324	, 2
GRDA	KERR	2	28.5	0.02087	GRDA	PENSACOLA	6	11	0.11411	-0.09324	, 2
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	5	11	0.11411	-0.0948	, 2
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	6	11	0.11411	-0.0948	, 2
GRDA	KERR	1	28.5	0.01931	GRDA	PENSACOLA	4	11	0.11411	-0.0948	, 2
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	5 2
GRDA	PENSACOLA	1	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	5 2
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	, 2
GRDA	PENSACOLA	2	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	3 2
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	5	11	0.11411	-0.11178	5 2
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	4	11	0.11411	-0.11178	3 2
GRDA	PENSACOLA	3	21	0.00233	GRDA	PENSACOLA	6	11	0.11411	-0.11178	5 2
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	5	11	0.11411	-0.0948	, 2
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	4	11	0.11411	-0.0948	3 2
GRDA	SALINA	6	43	0.01931	GRDA	PENSACOLA	6	11	0.11411	-0.0948	1 2

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: ALUMAX TAP - BANN 138KV CKT 1 ALUMAX TAP - BANN 138KV CKT 1 From->To SPP-AEPW-29

Line Outage:

53245532501SPP-AEPW-293107SP 6/1/07 - 10/1/07 Flowgate:

Date Redispatch Needed:

Read	Date Redispatch Needed:	6/1/07 - 10/1/07		_								
Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   Record   R			Aggregate									
Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Comp												
192328 1.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5												
12   13   15   15   15   15   15   15   15				<u> </u>								
Source of Area   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   So												
Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area   Source Control Area				1								
Description   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Control Area   Contr	1037581	0.1	5.3	Maximum		Cink	T		Maximum			Dodionatah
Source Control Ame												
SEW	Source Control Area	Source	Course Id		CSE		Cink	Cink Id		CSE	Easter	
ASPW			4	,				4	,			· /
APPW			1					1				
AGEW			1					1				
AERW			1					1				
AGEW ONE STAR POWER PLANT 1			1					1				
APPW			1					1				
AEPW LONE STAR POWER PLANT 1 59 0.00076 AEPW WELEETA TERTILARY # 4 1 41 0.0000 0.00718 54 AEPW LONE STAR POWER PLANT 1 59 0.00007 0.00718 54 AEPW LONE STAR POWER PLANT 1 59 0.00007 0.00718 55 AEPW LONE STAR POWER PLANT 1 59 0.00007 0.00718 55 AEPW LONE STAR POWER PLANT 1 59 0.00007 0.00718 55 AEPW LONE STAR POWER PLANT 1 59 0.00007 0.00718 55 AEPW LONE STAR POWER PLANT 1 59 0.00007 0.00718 55 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE STAR POWER PLANT 1 59 0.00718 AEPW LONE			1					1				
AEPW (DNE STAR POWER PLANT 1 59 - 0.0878 AEPW (COENTING AGE TRICARY # 1 50 - 0.0896 - 0.0997   54   54   56   56   56   56   56   56			1					1				
AEPW LONE STAR POWER RANT 1 1 50 .00769 AEPW COCKNITRIX CAS TERTURAY # 1 0 168 .00681 .00680 .00680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680 .06680			1					1				
ABPW CONE STAR POWER RANT 1 1 50 0.0579APPW COGENTRING CAS TERTIARY # 2 G 153 0.0089 0.00608 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			1					G				
AEPW	AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW		G	183	0.00881		
AEPW	AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 3	G	134	0.00881	-0.09639	55
AEPW LONE STAR FOWER PLANT 1 50 0.08758 AEPW NORTHEASTERN STATION # 1-14 1 47.8 0.08007 0.08065 50 AEPW LONE STAR FOWER PLANT 1 50 0.08768 AEPW NORTHEASTERN STATION # 1-18 1 47.8 0.08007 0.08066 50 AEPW LONE STAR FOWER PLANT 1 50 0.08768 AEPW NORTHEASTERN STATION # 1 40 0.08007 0.08066 50 AEPW LONE STAR FOWER PLANT 1 50 0.08768 AEPW NORTHEASTERN STATION # 1 40 0.08007 0.08066 50 AEPW LONE STAR FOWER PLANT 1 1 50 0.08768 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00076 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATION # 1 30 0.00077 AEPW NORTHEASTERN STATI	AEPW	LONE STAR POWER PLANT	1			AEPW		S	115	0.00881		
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AEPW			1					1				
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AEPW   LONE STAR POWER PLANT   1			1					1				
AEPW   LONE STAR POWER PLANT   1			1					1				
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AEPW CONE STAR POWER PLANT 1 50 -0.08758 AEPW TULSA POWER STATION # 1 1 11 0,00889 -0.09627 55 AEPW CONE STAR POWER PLANT 1 50 -0.08758 AEPW FLINT CREEK 1 1 420 0,00712 -0.0947 58 AEPW CONE STAR POWER PLANT 1 5 -0.08758 AEPW FLINT CREEK 1 1 420 0,00712 -0.0947 58 AEPW CONE STAR POWER PLANT 1 5 -0.08758 AEPW FLINT CREEK 1 1 440 0,00871 -0.0947 58 AEPW CONE STAR POWER PLANT 1 1 50 -0.08758 AEPW FLINT CREEK 1 1 440 0,0088 -0.09486 -0.0946 58 AEPW CONE STAR POWER PLANT 1 1 50 -0.08758 AEPW FLINT CREEK 1 1 440 0,0088 -0.09486 -0.09486 -0.08758 AEPW FLINT CREEK 1 1 241 -0.00884 -0.09486 -0.08758 AEPW FLINT CREEK 1 1 241 -0.08884 -0.09486 -0.08758 AEPW FLINT CREEK 1 1 241 -0.08884 -0.09486 -0.08758 AEPW FLINT CREEK 1 1 241 -0.08884 -0.09486 -0.08758 AEPW FLINT CREEK 1 1 241 -0.08884 -0.09486 -0.08758 AEPW FLINT CREEK 1 1 251 -0.08884 -0.09486 -0.08758 AEPW FLINT CREEK 1 1 5 50 -0.08758 AEPW FLINT CREEK 1 1 5 50 -0.08758 AEPW FLINT CREEK 1 1 5 50 -0.08758 AEPW FLINT CREEK 1 1 5 50 -0.08758 AEPW FLINT CREEK 1 1 5 50 -0.08758 AEPW FLINT CREEK 1 1 5 50 -0.08758 AEPW FLINT CREEK 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 98 89989 (0.01423 -0.07344 77 74 AEPW FLINT CREEK 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 98 89989 (0.01423 -0.07344 77 74 AEPW FLINT CREEK 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT CREEK 1 1 1 1 281805 -0.08758 AEPW FLINT C			1					1				
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LEBROCK GAS 2   1   211   -0.00884   -0.07874   57			1					1				
AEPW		LONE STAR POWER PLANT	1					1				
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AEPW WILKES #1 1 128.1805 -0.08076 AEPW COMANCHE #2 1 63 0.01243 -0.07319 72 AEPW WILKES #1 1 128.1805 -0.08076 AEPW WELSH #1 1 63 0.01243 -0.07319 72 AEPW WILKES #1 1 128.1805 -0.08076 AEPW WELSH #2 1 1 330 0.01229 -0.07305 72 AEPW WILKES #1 1 128.1805 -0.08076 AEPW WELSH #2 1 1 330 0.01229 -0.07305 72 AEPW WILKES #1 1 1 128.1805 -0.08076 AEPW WELSH #2 1 1 330 0.01229 -0.07305 72 AEPW WILKES #1 1 1 128.1805 -0.08076 AEPW WELSH #2 1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 1 37.00711 -0.08076 AEPW WELSH #3 1 1 96 99999 (0.1243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 96 99999 (0.1243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 63 0.01228 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 63 0.01228 -0.07314 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 63 0.01228 -0.07314 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.08076 AEPW WELSH #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 1 37.00711 -0.08076 AEPW WELSH #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 1 37.00711 -0.08076 AEPW WELSH #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 1 37.00711 -0.08076 AEPW WILKES #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #3 1 1 330 0.01229 -0.07305 72 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #3 1 1 30.00729 -0.07305 73 AEPW WILKES #4 1 1 328.1805 -0.08076 AEPW WILKES #3 1 1 31.00729 -0.07305 73 AEPW WILKES #4 1 1 328.1805 -0.08076 AEPW WILKES #4 1 1 31.00737 -0.08057 76 AEPW WILK			1					1				
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AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELSH #1 1 330 -0.01228 -0.07314 72 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELSH #2 1 330 -0.01229 -0.07305 72 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELSH #2 1 330 -0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #1 1 96.99999 -0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #1 1 96.99999 -0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #1 1 96.99999 -0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #1 1 96.99999 -0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #1 1 30 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #1 1 30 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILESH #1 1 30 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILESH #1 1 30 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILESH #2 1 30 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILESH #2 1 30 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILESH #2 1 30 0.01229 -0.07305 72 AEPW LONE STAR POWER PLANT 1 5 50 -0.08758 AEPW WILSH #3 1 30 0.01229 -0.07305 72 AEPW LONE STAR POWER PLANT 1 5 50 -0.08758 AEPW WILSH #3 1 164 -0.01561 -0.07197 73 AEPW LONE STAR POWER PLANT 1 5 50 -0.08758 AEPW BASTAN GENERATION A 1 176.5 -0.01561 -0.07197 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 1 311 -0.01737 -0.07027 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 1 311 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 311 -0.01737 -0.07027 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 311 -0.01737 -0.07027 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 311 -0.01737 -0.07027 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 311 -0.01737 -0.07027 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 310.00881 -0.06967 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 3 310 -0.00871 -0.06967 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 3 30.00881 -0.06967 76 AEPW	AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	COMANCHE #2	1	63	0.01243	-0.07319	72
AEPW WILKES #1 1 128.1805 0.06076 AEPW WELSH #2 1 330 0.01229 -0.07305 72 AEPW WILKES #1 1 128.1805 0.06076 AEPW COMANCHE #1 1 96.99999 0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #1 1 96.99999 0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #2 1 63 0.01248 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #2 1 63 0.01248 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #1 1 330 0.01228 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #1 1 330 0.01228 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #2 1 330 0.01229 -0.07305 72 AEPW LONE STAR POWER PLANT 1 5 50 -0.08758 AEPW WELSH #3 1 330 0.01229 -0.07305 72 AEPW LONE STAR POWER PLANT 1 5 50 -0.08758 AEPW EASTMAN GENERATION A 1 176.5 -0.01661 -0.07197 73 AEPW LONE STAR POWER PLANT 1 5 50 -0.08758 AEPW BOOK AEPW WELSH #3 1 176.5 -0.01661 -0.07197 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKEE #5 1 1 311 -0.0121 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKEE #3 1 231 0.0121 -0.07287 73 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 231 0.0121 -0.07287 73 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 231 0.0121 -0.07287 73 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 241 0.0081 -0.07037 75 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 241 0.0081 -0.07037 75 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 241 0.0081 -0.07037 75 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 241 0.0081 -0.07037 75 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 241 0.0081 -0.07037 75 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 1 241 0.0081 -0.00967 76 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #3 1 1 241 0.00881 -0.00897 76 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW WILKEE #1 1 1 128.100 -0.06076 AE	AEPW	WILKES #1	1		-0.06076	AEPW	COMANCHE #3	1	63	0.01238		72
AEPW WILKES #1 1 128.1805 0.06076 AEPW COMANCHE #3 1 96.9999 0.01243 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #1 1 96.99999 0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #3 1 63 0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #3 1 63 0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #3 1 63 0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #2 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #2 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #2 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WILKES #2 1 330 0.01229 -0.07305 72 AEPW WILKES #1 1 50 -0.08758 AEPW EASTMAN GENERATION A 1 178.5 0.01561 -0.07197 73 AEPW LONE STAR POWER PLANT 1 50 -0.08758 AEPW EASTMAN GENERATION A 1 178.5 0.01561 -0.07197 73 AEPW WILKES #1 1 128.1805 -0.08758 AEPW SOUTHWESTERN STATION #3 1 231 0.01211 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.08768 AEPW WILKES #3 1 231 0.01211 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.08768 AEPW WILKES #3 1 31.01211 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 31.01211 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 31.01211 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #3 1 31.01211 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 141.00061 -0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 141.00061 -0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WILKES #1 1 1 128.1805	AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	WELSH #1	1	330	0.01229	-0.07305	72
AEPW WILKES #2 1 37.00711 0.06076 AEPW COMANCHE #1 1 96.99999 0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 0.06076 AEPW COMANCHE #3 1 63 0.01238 -0.07319 72 AEPW WILKES #2 1 37.00711 0.06076 AEPW COMANCHE #3 1 63 0.01238 -0.07314 72 AEPW WILKES #2 1 37.00711 0.06076 AEPW WELSH #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 0.06076 AEPW WELSH #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 0.06076 AEPW WELSH #3 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 0.06076 AEPW WELSH #3 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 0.06076 AEPW WELSH #3 1 330 0.01229 -0.07305 72 AEPW LONE STAR POWER PLANT 1 50 0.06756 AEPW WELSH #3 1 176.5 -0.01561 0.07197 73 AEPW LONE STAR POWER PLANT 1 50 0.08758 AEPW EASTMAN GENEATION B 1 1776.5 -0.01561 0.07197 73 AEPW LONE STAR POWER PLANT 1 50 0.08758 AEPW KNOXLEE #5 1 1 644 0.01563 0.007195 73 AEPW WILKES #2 1 1 37.00711 0.06076 AEPW SUITHWESTERN STATION #3 1 231 0.01211 0.07287 73 AEPW WILKES #2 1 1 37.00711 0.06076 AEPW SUITHWESTERN STATION #3 1 231 0.01211 0.07287 73 AEPW WILKES #2 1 1 37.00711 0.06076 AEPW SUITHWESTERN STATION #3 1 231 0.01211 0.07287 73 AEPW WILKES #2 1 1 37.00711 0.06076 AEPW SUITHWESTERN STATION #3 1 231 0.01211 0.07287 73 AEPW WILKES #1 1 128.1805 0.06076 AEPW WILKES #3 1 1 4 4 1 0.00961 0.07037 75 AEPW WILKES #1 1 128.1805 0.06076 AEPW WELEETKA TERTIARY # 4 1 4 44 0.00961 0.07037 75 AEPW WILKES #1 1 128.1805 0.06076 AEPW WELEETKA TERTIARY # 4 1 4 44 0.00961 0.07037 75 AEPW WILKES #2 1 1 37.00711 0.06076 AEPW WELEETKA TERTIARY # 5 1 29 0.00961 0.07037 75 AEPW WILKES #1 1 128.1805 0.06076 AEPW WELEETKA TERTIARY # 3 G 183 0.00881 0.06987 76 AEPW WILKES #1 1 128.1805 0.06076 AEPW WELEETKA TERTIARY # 3 G 183 0.00881 0.06987 76 AEPW WILKES #1 1 128.1805 0.06076 AEPW COGENTRIX GAS TERTIARY # 3 G 183 0.00881 0.06987 76 AEPW WILKES #1 1 128.1805 0.06076 AEPW COGENTRIX GAS TERTIARY # 3 G 183 0.00881 0.06987 76 AEPW WILKES #1 1 128.1805 0.06076 AEPW COGENTRIX GAS TERTIARY # 3 G 183 0.00881 0.06987 76 AEPW WILKES #1 1 128.1805 0.06076 AEPW			1					1				
AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #2 1 63 0.01243 -0.07319 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW COMANCHE #3 1 63 0.01238 -0.07314 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #1 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #2 1 330 0.01229 -0.07305 72 AEPW WILKES #2 1 37.00711 -0.06076 AEPW WELSH #3 1 330 0.01229 -0.07305 72 AEPW LONE STAR POWER PLANT 1 5 0 -0.08758 AEPW EASTMAN GENERATION A 1 176.5 -0.01561 -0.07197 73 AEPW LONE STAR POWER PLANT 1 5 0 -0.08758 AEPW EASTMAN GENERATION B 1 176.5 -0.01561 -0.07197 73 AEPW LONE STAR POWER PLANT 1 1 50 -0.08758 AEPW EASTMAN GENERATION B 1 176.5 -0.01561 -0.07197 73 AEPW LONE STAR POWER PLANT 1 1 25.0 -0.08758 AEPW KNOXLEE #5 1 1 164 -0.01563 -0.07197 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW SOUTHWESTERN STATION #3 1 231 0.01211 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW SOUTHWESTERN STATION #3 1 231 0.01211 -0.07287 73 AEPW WILKES #1 1 128.1805 -0.06076 AEPW SUHWESTERN STATION #3 1 311 -0.01737 -0.07021 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELEHKA TERTIARY # 4 1 41 0.00961 0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 37.00711 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 37.00711 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 37.00711 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW WELETKA TERTIARY # 5 1 29 0.00961 -0.07037 75 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX GAS TERTIARY # 1 G 183 0.00881 -			1					1				
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AEPW   WILKES #2   1   37.00711   -0.06076   AEPW   SOUTHWESTERN STATION #3   1   231   0.01211   -0.07287   73   AEPW   LONE STAR POWER PLANT   1   50   -0.0676   AEPW   WILKES #3   1   311   -0.01737   -0.07021   75   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   WILKES #3   1   311   -0.01737   -0.07021   75   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   WILKES #3   1   29   0.00961   -0.07037   75   AEPW   WILKES #2   1   37.00711   -0.06076   AEPW   WILKES #2   1   41   0.00961   -0.07037   75   AEPW   WILKES #2   1   37.00711   -0.06076   AEPW   WILKES #2   1   41   0.00961   -0.07037   75   AEPW   WILKES #2   1   27.00761   AEPW   WILKES #3   1   29   0.00961   -0.07037   75   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   WILKES #1   G   183   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   COGENTRIX GAS TERTIARY # 2   G   183   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   COGENTRIX GAS TERTIARY # 3   G   134   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   COGENTRIX GAS TERTIARY # 3   G   134   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   COGENTRIX GAS TERTIARY # 3   G   134   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   COGENTRIX GAS TERTIARY # 3   G   134   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   COGENTRIX STEAM TERTIARY # 1   S   115   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   COGENTRIX STEAM TERTIARY # 2   S   115   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   COGENTRIX STEAM TERTIARY # 2   S   115   0.00881   -0.06957   76   AEPW   WILKES #1   1   128.1805   -0.06076   AEPW   RIVERSIDE STATION #1   1   1   1   1   1   1   1   1   1			1					1				
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AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX GAS TERTIARY # 1 G 183 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX GAS TERTIARY # 2 G 183 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX GAS TERTIARY # 2 G 183 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX GAS TERTIARY # 3 G 134 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX STEAM TERTIARY # 1 S 115 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX STEAM TERTIARY # 2 S 115 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX STEAM TERTIARY # 2 S 115 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW RIVERSIDE STATION #1 1 332 0.00877 -0.06953 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW RIVERSIDE STATION #2 1 245 0.00877 -0.06953 76			1					1				75
AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX GAS TERTIARY # 2 G 183 0.0081 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX GAS TERTIARY # 3 G 134 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX STEAM TERTIARY # 1 S 115 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX STEAM TERTIARY # 1 S 115 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW COGENTRIX STEAM TERTIARY # 2 S 115 0.00881 -0.06957 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW RIVERSIDE STATION #1 1 332 0.00877 -0.06953 76 AEPW WILKES #1 1 128.1805 -0.06076 AEPW RIVERSIDE STATION #2 1 245 0.00877 -0.06953 76			1					G				76
AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         COGENTRIX GAS TERTIARY #3         G         134         0.00881         -0.06957         76           AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         COGENTRIX STEAM TERTIARY #1         S         115         0.00881         -0.06957         76           AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         COGENTRIX STEAM TERTIARY #2         S         115         0.00887         -0.06957         76           AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         RIVERSIDE STATION #1         1         332         0.00877         -0.06953         76           AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         RIVERSIDE STATION #2         1         245         0.00877         -0.06953         76			1					G				
AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         COGENTRIX STEAM TERTIARY #1         S         115         0.00881         -0.06957         76           AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         COGENTRIX STEAM TERTIARY #2         S         115         0.00881         -0.06957         76           AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         COGENTRIX STEAM TERTIARY #2         S         115         0.00881         -0.06957         76           AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         RIVERSIDE STATION #1         1         332         0.00877         -0.06953         76           AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         RIVERSIDE STATION #2         1         245         0.00877         -0.06953         76			1									
AEPW         WILKES #1         1         128.1805         -0.06076         AEPW         RIVERSIDE STATION #1         1         332         0.00877         -0.06953         76           AEPW         WILKES #1         1         128.1805         -0.06076 AEPW         RIVERSIDE STATION #2         1         245         0.00877         -0.06953         76	AEPW		1	128.1805	-0.06076	AEPW		S	115	0.00881	-0.06957	76
AEPW WILKES #1 1 128.1805 -0.06076 AEPW RIVERSIDE STATION #2 1 245 0.00877 -0.06953 76		WILKES #1	1	128.1805	-0.06076	AEPW	COGENTRIX STEAM TERTIARY # 2	S			-0.06957	
			1					1			-0.06953	
	AEPW	WILKES #1	1	128.1805	-0.06076	AEPW	RIVERSIDE STATION #2	1	245	0.00877	-0.06953	76

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

MILKES #1   1   128.1805   -0.08076 AEPW   TULSA FOWER STATION # 4   1   111   0.0888   -0.08897   -0.08957	AEPW	WILKES #1	128.1805 -0.06076 AEPW	TULSA POWER STATION # 1	1	75 0.00869 -0.06945 79
NEPP	AEPW				1	
AEPW   WILKES #2	AEPW				G	
AEPW   WILKES #2					G	
APPW   WILKES #2	AEPW				G	
MILKES #2	AEPW	WILKES #2	37.00711 -0.06076 AEPW		S	
AEPW   WILKES #2	AEPW	WILKES #2	37.00711 -0.06076 AEPW	COGENTRIX STEAM TERTIARY # 2	S	
AEPW   WILKES #2	AEPW	WILKES #2		RIVERSIDE STATION #1	1	
AFPW   WILKES #2	AEPW	WILKES #2	37.00711 -0.06076 AEPW		1	
NEPW   WILKES #2	AEPW	WILKES #2 1	37.00711 -0.06076 AEPW	TULSA POWER STATION # 1	1	
AEPW   WILKES #1	AEPW	WILKES #2	37.00711 -0.06076 AEPW	TULSA POWER STATION # 4	1	
AEPW   WILKES #1   1   128.1805   0.08076   AEPW   NORTHEASTERN STATION #1   1   45   0.08077   0.08883   7	AEPW	WILKES #1 1	128.1805 -0.06076 AEPW	NORTHEASTERN STATION # 1-1A	1	47.5 0.00807 -0.06883 7
AEPW   WILKES #1	AEPW	WILKES #1 1	128.1805 -0.06076 AEPW	NORTHEASTERN STATION # 1-1B	1	47.5 0.00807 -0.06883 7
1	AEPW	WILKES #1 1	128.1805 -0.06076 AEPW	NORTHEASTERN STATION #1	1	45 0.00807 -0.06883 7
AEPW   WILKES #1   1   128.1805   0.06076   AEPW   NORTHEASTERN STATION #4   1   320   0.0806   0.08882   7	AEPW	WILKES #1 1	128.1805 -0.06076 AEPW	NORTHEASTERN STATION #2	1	360 0.00807 -0.06883 7
AEPW   WILKES #2	AEPW	WILKES #1 1	128.1805 -0.06076 AEPW	NORTHEASTERN STATION #3	1	325 0.00806 -0.06882 7
AEPW   WILKES #2   1   37.00711   -0.06076   AEPW   NORTHEASTERN STATION # 1-18   1   47.5   0.00807   -0.0683   77	AEPW	WILKES #1 1	128.1805 -0.06076 AEPW	NORTHEASTERN STATION #4	1	320 0.00806 -0.06882 7
AEPW   WILKES #2	AEPW	WILKES #2 1	37.00711 -0.06076 AEPW	NORTHEASTERN STATION # 1-1A	1	47.5 0.00807 -0.06883 7
AEPW   WILKES #2	AEPW	WILKES #2 1	37.00711 -0.06076 AEPW	NORTHEASTERN STATION # 1-1B	1	47.5 0.00807 -0.06883 7
AEPW WILKES #2 1 37.00711 -0.06076 AEPW NORTHEASTERN STATION #3 1 325 0.00806 -0.06882 77 AEPW WILKES #1 1 37.00711 -0.06076 AEPW NORTHEASTERN STATION #4 1 320 0.00806 -0.06882 77 AEPW WILKES #1 1 128.1805 -0.06076 AEPW FLINT CREEK 1 1 420 0.00712 -0.06788 77 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FLINT CREEK 1 1 420 0.00712 -0.06788 77 AEPW WILKES #2 1 1 37.00711 -0.06076 AEPW FLINT CREEK 1 1 420 0.00712 -0.06788 77 AEPW WILKES #1 1 128.1805 -0.06076 AEPW FLINT CREEK 1 1 420 0.00712 -0.06788 77 AEPW WILKES #1 1 128.1805 -0.06076 AEPW FITZ_CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 1 37.00711 -0.06076 AEPW FITZ_ST1 1 1 44 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ_ST1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ_ST1 1 1 44 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ_ST1 1 1 44 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ_ST1 1 1 44 0.00388 -0.06464 83 AEPW LONE STAR POWER PLANT 1 50 -0.08758 AEPW LIEBERMAN #3 1 37 -0.02651 -0.06107 83 AEPW LONE STAR POWER PLANT 1 50 -0.08758 AEPW LIEBERMAN #4 1 37 -0.02651 -0.06107 83 AEPW WILKES #1 1 128.1805 -0.06076 AEPW LEBROCK GAS 2 1 1 211 -0.00884 -0.05192 100 AEPW WILKES #1 1 128.1805 -0.06076 AEPW LEBROCK GAS 2 1 1 211 -0.00884 -0.05192 100 AEPW WILKES #1 1 1 128.1805 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK GAS 2 1 1 211 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 10	AEPW	WILKES #2 1	37.00711 -0.06076 AEPW	NORTHEASTERN STATION #1	1	45 0.00807 -0.06883 7
AEPW WILKES #2 1 37.00711 -0.06076 AEPW NORTHEASTERN STATION #4 1 320 0.0806 -0.06882 77 AEPW WILKES #1 1 128.1805 -0.06076 AEPW FLINT CREEK 1 420 0.00712 -0.06788 77 AEPW WILKES #1 1 28.1805 -0.06076 AEPW FLINT CREEK 1 420 0.00712 -0.06788 77 AEPW WILKES #1 1 128.1805 -0.06076 AEPW FLINT CREEK 1 420 0.00712 -0.06788 77 AEPW WILKES #1 1 1 28.1805 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 44 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 44 0.00388 -0.06464 83 AEPW WILKES #2 1 1 50 -0.06786 AEPW FITZ CT1 1 1 44 0.00388 -0.06464 83 AEPW WILKES #3 1 1 50 -0.06786 AEPW LIEBERMAN #3 1 37 -0.02651 -0.06107 83 AEPW WILKES #1 1 1 50 -0.06786 AEPW LIEBERMAN #3 1 37 -0.02651 -0.06107 83 AEPW WILKES #1 1 128.1805 -0.06076 AEPW LIEBERMAN #4 1 37 -0.02651 -0.06107 83 AEPW WILKES #1 1 128.1805 -0.06076 AEPW LIEBROCK GAS 1 1 211 -0.00884 -0.05192 100 AEPW WILKES #1 1 128.1805 -0.06076 AEPW LIEBROCK GAS 2 1 1 211 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROCK GAS 1 1 211 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROCK GAS 2 1 1 211 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROCK GAS 2 1 1 211 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROCK STEAM 1 1 93 -0.00884 -0.05192 100 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LIEBROC	AEPW	WILKES #2 1		NORTHEASTERN STATION #2	1	
AEPW WILKES #1 1 128.1805 -0.06076 AEPW FLINT CREEK 1 420 0.00712 -0.06788 71 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FLINT CREEK 1 420 0.00712 -0.06788 71 AEPW WILKES #1 1 128.1805 -0.06076 AEPW FLINT CREEK 1 420 0.00712 -0.06788 71 AEPW WILKES #1 1 128.1805 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW WILKES #2 1 37.00711 -0.06076 AEPW FITZ CT1 1 1 82 0.00388 -0.06464 83 AEPW LONE STAR POWER PLANT 1 50 -0.08758 AEPW LIEBERMAN #3 1 37 -0.02651 -0.06107 83 AEPW LONE STAR POWER PLANT 1 50 -0.08758 AEPW LIEBERMAN #4 1 37 -0.02651 -0.06107 83 AEPW WILKES #1 1 128.1805 -0.06076 AEPW LEBROCK GAS 1 1 211 -0.00884 -0.05192 103 AEPW WILKES #1 1 128.1805 -0.06076 AEPW LEBROCK GAS 2 1 211 -0.00884 -0.05192 103 AEPW WILKES #1 1 128.1805 -0.06076 AEPW LEBROCK GAS 1 1 211 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK GAS 1 1 211 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK GAS 1 1 211 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #2 1 37.00711 -0.06076 AEPW LEBROCK STEAM 1 1 93 -0.00884 -0.05192 103 AEPW WILKES #	AEPW	WILKES #2 1	37.00711 -0.06076 AEPW	NORTHEASTERN STATION #3	1	
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	AEPW				1	
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	AEPW	WILKES #1 1	128.1805 -0.06076 AEPW	EASTMAN GENERATION A	1	178.5 -0.01561 -0.04515 11

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1 ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1 TO->From SPP-AEPW-29

Line Outage:

53245533001SPP-AEPW-291106SP 6/1/06 - 10/1/06 Flowgate:

Date Redispatch Needed:

Reservation 1037581 Source Control Area AEPW	Relief Amount 0.3	Aggregate Relief Amount 0.3									
1037581 Source Control Area AEPW		Amount									
1037581 Source Control Area AEPW											
Source Control Area AEPW	0.3	0.3									
AEPW		0.3									
AEPW			Maximum		Sink			Maximum			Redispatch
AEPW			Increment(		Control			Decrement(			Amount
	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00899	-0.09818	3
AEPW	LONE STAR POWER PLANT	1	50			COGENTRIX GAS TERTIARY # 2	G	183	0.00899	-0.09818	3
AEPW	LONE STAR POWER PLANT	1	50			COGENTRIX GAS TERTIARY # 3	G	69	0.00899	-0.09818	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00899	-0.09818	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00899	-0.09818	
		1					3				
AEPW	LONE STAR POWER PLANT	1	50			COMANCHE #1	1	96.99999	0.01245	-0.10164	
AEPW	LONE STAR POWER PLANT	1	50			COMANCHE #2	1	63		-0.10164	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	COMANCHE #3	1	63	0.0124	-0.10159	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	FITZ_CT1	1	82	0.00371	-0.0929	3
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	FITZ_ST1	1	44	0.00371	-0.0929	3
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	FLINT CREEK	1	420	0.00711	-0.0963	3
AEPW	LONE STAR POWER PLANT	1	50			NORTHEASTERN STATION # 1-1A	1	47.5	0.008		3
AEPW	LONE STAR POWER PLANT	1	50			NORTHEASTERN STATION # 1-1B	1	47.5	0.008		
AEPW	LONE STAR POWER PLANT	1	50			NORTHEASTERN STATION #1	1	45			
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NORTHEASTERN STATION #2	1	360			
		4					<u> </u>				3
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NORTHEASTERN STATION #3	[]	315	0.00802	-0.09721	3
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NORTHEASTERN STATION #4	1	315	0.00802		3
AEPW	LONE STAR POWER PLANT	1	50		AEPW	RIVERSIDE STATION #1	1	332	0.00874		3
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	RIVERSIDE STATION #2	1	314	0.00874	-0.09793	3
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	SOUTHWESTERN STATION #1	1	14	0.01212	-0.10131	3
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	SOUTHWESTERN STATION #2	1	27	0.01212	-0.10131	3
AEPW	LONE STAR POWER PLANT	1	50		AEPW	SOUTHWESTERN STATION #3	1	265	0.01212	-0.10131	3
AEPW	LONE STAR POWER PLANT	1	50		AEPW	TULSA POWER STATION # 1	1	75	0.00866	-0.09785	3
AEPW	LONE STAR POWER PLANT	1	50			TULSA POWER STATION # 4	1	147	0.00866	-0.09785	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	WELEETKA TERTIARY # 4	1	18	0.00959	-0.09878	
		1					4				
AEPW	LONE STAR POWER PLANT	1	50		AEPW	WELEETKA TERTIARY # 5	1	37	0.00959	-0.09878	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	WELEETKA TERTIARY # 6	1	40		-0.09878	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	WELSH #1	1	320	0.01229	-0.10148	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	WELSH #2	1	320	0.01229	-0.10148	3
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	WELSH #3	1	320	0.01229	-0.10148	3
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	EASTMAN GENERATION A	1	178.5	-0.01465	-0.07454	4
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	EASTMAN GENERATION B	1	176.5	-0.01465	-0.07454	4
AEPW	LONE STAR POWER PLANT	1	50	-0.08919	AEPW	KNOXLEE #5	1	266.402	-0.01467	-0.07452	4
AEPW	LONE STAR POWER PLANT	1	50			LEBROCK GAS 1	1	150	-0.00849	-0.0807	4
AEPW	LONE STAR POWER PLANT	1	50		AEPW	LEBROCK GAS 2	1	165	-0.00849	-0.0807	<del>-</del>
AEPW	LONE STAR POWER PLANT	4	50		AEPW		1		-0.00849		
		1				LEBROCK STEAM 1	1	50		-0.0807	4
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NARROWS GENERATOR	1	22	-0.00854		4
AEPW	LONE STAR POWER PLANT	1	50		AEPW	PIRKEY GENERATION	1	243	-0.01267		4
AEPW	WILKES #1	1	85		AEPW	COMANCHE #1	1	96.99999	0.01245		4
AEPW	WILKES #1	1	85	-0.06163	AEPW	COMANCHE #2	1	63	0.01245	-0.07408	4
AEPW	WILKES #1	1	85	-0.06163	AEPW	COMANCHE #3	1	63	0.0124	-0.07403	4
AEPW	WILKES #1	1	85	-0.06163	AEPW	SOUTHWESTERN STATION #1	1	14	0.01212	-0.07375	4
AEPW	WILKES #1	1	85	-0.06163	AEPW	SOUTHWESTERN STATION #2	1	27	0.01212	-0.07375	4
AEPW	WILKES #1	1	85		AEPW	SOUTHWESTERN STATION #3	1	265	0.01212	-0.07375	
AEPW	WILKES #1	1	85		AEPW	WELSH #1	1	320	0.01212	-0.07392	4
AEPW	WILKES #1	1	85			WELSH #2	1	320	0.01229	-0.07392	7
		1					1				4
AEPW	WILKES #1	1	85			WELSH #3	1	320	0.01229	-0.07392	4
AEPW	WILKES #2	1	24.6351		AEPW	COMANCHE #1	[]	96.99999	0.01245	-0.07408	
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COMANCHE #2	1	63	0.01245	-0.07408	4
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	COMANCHE #3	1	63	0.0124	-0.07403	4
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	SOUTHWESTERN STATION #1	1	14		-0.07375	4
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	SOUTHWESTERN STATION #2	1	27	0.01212	-0.07375	4
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	SOUTHWESTERN STATION #3	1	265	0.01212	-0.07375	4
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	WELSH #1	1	320	0.01229	-0.07392	4
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	WELSH #2	1	320	0.01229	-0.07392	4
AEPW	WILKES #2	1	24.6351	-0.06163	AEPW	WELSH #3	1	320		-0.07392	7
	LONE STAR POWER PLANT	1					1	320 15			
AEPW		4	50			ARSENAL HILL	1				5
AEPW	LONE STAR POWER PLANT	1	50		AEPW	LIEBERMAN #3	1	37	-0.02652	-0.06267	5
AEPW	LONE STAR POWER PLANT	1	50			LIEBERMAN #4	1	54		-0.06267	5
AEPW	LONE STAR POWER PLANT	1	50			WILKES #3	1	311	-0.01763	-0.07156	5
AEPW	WILKES #1	1	85		AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00899		5
AEPW	WILKES #1	1	85		AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00899	-0.07062	5
	WILKES #1	1	85		AEPW	COGENTRIX GAS TERTIARY # 3	G	69			5

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	WILKES #1	85 -0.06163 AEPW	COGENTRIX STEAM TERTIARY # 1	S	115 0.00899 -0.07062 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	COGENTRIX STEAM TERTIARY # 2	S	115 0.00899 -0.07062 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	FITZ_CT1	1	82 0.00371 -0.06534 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	FITZ_ST1	1	44 0.00371 -0.06534 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	FLINT CREEK	1	420 0.00711 -0.06874 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	NORTHEASTERN STATION # 1-1A	1	47.5 0.008 -0.06963 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	NORTHEASTERN STATION # 1-1B	1	47.5 0.008 -0.06963 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	NORTHEASTERN STATION #1	1	45 0.008 -0.06963 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	NORTHEASTERN STATION #2	1	360 0.008 -0.06963 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	NORTHEASTERN STATION #3	1	315 0.00802 -0.06965 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	NORTHEASTERN STATION #4	1	315 0.00802 -0.06965 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	RIVERSIDE STATION #1	1	332 0.00874 -0.07037 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	RIVERSIDE STATION #2	1	314 0.00874 -0.07037 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	TULSA POWER STATION # 1	1	75 0.00866 -0.07029 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	TULSA POWER STATION # 4	1	147 0.00866 -0.07029 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	WELEETKA TERTIARY # 4	1	18 0.00959 -0.07122 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	WELEETKA TERTIARY # 5	1	37 0.00959 -0.07122 5
AEPW	WILKES #1 1	85 -0.06163 AEPW	WELEETKA TERTIARY # 6	1	40 0.00959 -0.07122 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	COGENTRIX GAS TERTIARY # 1	G	183 0.00899 -0.07062 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	COGENTRIX GAS TERTIARY # 2	G	183 0.00899 -0.07062 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	COGENTRIX GAS TERTIARY # 3	G	69 0.00899 -0.07062 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	COGENTRIX STEAM TERTIARY # 1	S	115 0.00899 -0.07062 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	COGENTRIX STEAM TERTIARY # 2	S	115 0.00899 -0.07062 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	FITZ_CT1	1	82 0.00371 -0.06534 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	FITZ_ST1	1	44 0.00371 -0.06534 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	FLINT CREEK	1	420 0.00711 -0.06874 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	NORTHEASTERN STATION # 1-1A	1	47.5 0.008 -0.06963 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	NORTHEASTERN STATION # 1-1B	1	47.5 0.008 -0.06963 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	NORTHEASTERN STATION #1	1	45 0.008 -0.06963 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	NORTHEASTERN STATION #2	1	360 0.008 -0.06963 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	NORTHEASTERN STATION #3	1	315 0.00802 -0.06965 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	NORTHEASTERN STATION #4	1	315 0.00802 -0.06965 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	RIVERSIDE STATION #1	1	332 0.00874 -0.07037 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	RIVERSIDE STATION #2	1	314 0.00874 -0.07037 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	TULSA POWER STATION # 1	1	75 0.00866 -0.07029 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	TULSA POWER STATION # 4	1	147 0.00866 -0.07029 5
AEPW	WILKES #2 1	24.6351 -0.06163 AEPW	WELEETKA TERTIARY # 4	1	18 0.00959 -0.07122 5

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1 ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1 TO->From SPP-AEPW-29

Line Outage:

Flowgate: Date Redispatch Needed: 53245533001SPP-AEPW-291107SH 6/1/07 - 10/1/07

Date Redispatch Needed.	0/1/07 - 10/1/07		
			Aggregate
			Relief
Reservation	Relief Amount		Amount
1019916		0.5	0.9
1023236		0.2	0.9
1034259		0.2	0.9
1037581		0.0	0.9
Source Control Area	Source		Source Id

1037581	0.0	0.9									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.09638	ć
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.09638	ξ
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.09638	ć
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.09638	ć
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.09638	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	COMANCHE #1	1	96.99999	0.01243	-0.1	ç
AEPW	LONE STAR POWER PLANT	1	50		AEPW	COMANCHE #2	1	63	0.01243	-0.1	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	COMANCHE #3	1	63	0.01238		
AEPW	LONE STAR POWER PLANT	1	50		AEPW	FLINT CREEK	1	400	0.00712		
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.09564	
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.09564	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NORTHEASTERN STATION #1	1	45	0.00807		1
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NORTHEASTERN STATION #2	1	351	0.00807	-0.09564	- 3
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NORTHEASTERN STATION #2	1	304	0.00806	-0.09563	1
AEPW	LONE STAR POWER PLANT	1	50		AEPW		1	304	0.00806		<del>                                     </del>
		1				NORTHEASTERN STATION #4	1				
AEPW	LONE STAR POWER PLANT	1	50		AEPW	RIVERSIDE STATION #1	1	185	0.00877	-0.09634	<b>—</b>
AEPW	LONE STAR POWER PLANT	1	50		AEPW	RIVERSIDE STATION #2	[1	237	0.00877	-0.09634	<u> </u>
AEPW	LONE STAR POWER PLANT	1	50		AEPW	SOUTHWESTERN STATION #1	1	14	0.01211		<u> </u>
AEPW	LONE STAR POWER PLANT	1	50		AEPW	SOUTHWESTERN STATION #2	1	12	0.01211		
AEPW	LONE STAR POWER PLANT	1	50			SOUTHWESTERN STATION #3	1	117	0.01211		9
AEPW	LONE STAR POWER PLANT	1	50		AEPW	TULSA POWER STATION # 1	1	38	0.00869		9
AEPW	LONE STAR POWER PLANT	1	50			WELSH #1	1	320	0.01229		9
AEPW	LONE STAR POWER PLANT	1	50		AEPW	WELSH #2	1	320	0.01229	-0.09986	ξ
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	WELSH #3	1	320	0.01229	-0.09986	ć
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	FITZ_CT1	1	59	0.00388	-0.09145	10
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	FITZ_ST1	1	44	0.00388	-0.09145	10
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	LEBROCK GAS 1	1	150	-0.00884	-0.07873	11
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	LEBROCK GAS 2	1	165	-0.00884	-0.07873	11
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	LEBROCK STEAM 1	1	50	-0.00884	-0.07873	11
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NARROWS GENERATOR	1	22	-0.00834		11
AEPW	LONE STAR POWER PLANT	1	50		AEPW	EASTMAN GENERATION A	1	178.5	-0.01561	-0.07196	12
AEPW	LONE STAR POWER PLANT	1	50		AEPW	EASTMAN GENERATION B	1	176.5	-0.01561		12
AEPW	LONE STAR POWER PLANT	1	50		AEPW	KNOXLEE #5	1	76,7056	-0.01563	-0.07194	12
AEPW	LONE STAR POWER PLANT	1	50		AEPW	PIRKEY GENERATION	1	213	-0.01311		12
AEPW	WILKES #1	1	148			COMANCHE #1	1	96.99999	0.01243		12
	WILKES #1	1	148		AEPW	COMANCHE #2	1	63	0.01243		12
AEPW	WILKES #1	1	148	-0.06076	AEPW	COMANCHE #3	1	63	0.01238	-0.07314	12
AEPW	WILKES #1	1	148		AEPW	SOUTHWESTERN STATION #1	1	14	0.01230		12
AEPW	WILKES #1	1	148		AEPW	SOUTHWESTERN STATION #2	1	12	0.01211		12
	WILKES #1	1	148		AEPW	SOUTHWESTERN STATION #2	1	117	0.01211		12
AEPW		1	148		AEPW		1	320			12
	WILKES #1	1	148			WELSH #1	1	320	0.01229	-0.07305	12
AEPW	WILKES #1	4		-0.06076	AEPW	WELSH #2	1		0.01229	-0.07305	
	WILKES #1	1	148	-0.06076	AEPW	WELSH #3	1	320	0.01229		12
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	COMANCHE #1	<u>                                     </u>	96.99999	0.01243		12
AEPW	WILKES #2	1	245.3689		AEPW	COMANCHE #2	1	63	0.01243		12
AEPW	WILKES #2	1	245.3689		AEPW	COMANCHE #3	1	63	0.01238	-0.07314	12
AEPW	WILKES #2	1	245.3689		AEPW	SOUTHWESTERN STATION #1	1	14	0.01211		12
AEPW	WILKES #2	1	245.3689		AEPW	SOUTHWESTERN STATION #2	1	12	0.01211		12
	WILKES #2	1	245.3689		AEPW	SOUTHWESTERN STATION #3	1	117	0.01211	-0.07287	12
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	WELSH #1	1	320	0.01229	-0.07305	12
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	WELSH #2	1	320	0.01229	-0.07305	12
AEPW	WILKES #2	1	245.3689	-0.06076	AEPW	WELSH #3	1	320	0.01229	-0.07305	12
AEPW	LONE STAR POWER PLANT	1	50	-0.08757	AEPW	WILKES #3	1	129	-0.01737	-0.0702	13
AEPW	WILKES #1	1	148		AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.06957	13
AEPW	WILKES #1	1	148		AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.06957	13
AEPW	WILKES #1	1	148		AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.06957	13
AEPW	WILKES #1	1	148		AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.06957	1:
AEPW	WILKES #1	1	148			COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.06957	1;
AEPW	WILKES #1	1	148			FLINT CREEK	1	400	0.00001		13
	WILKES #1	1	148			NORTHEASTERN STATION # 1-1A	1	47.5	0.00712		13
ALI VV	WILKLO #1	1	140			TE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)		47.5	0.00007	-0.00003	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	WILKES #1	1 148	-0.06076 AEF	W NORTHEASTERN STATION # 1-1B	I <sub>1</sub> I	47.5	0.00807	-0.06883 13
AEPW	WILKES #1	1 148	-0.06076 AEF		11		0.00807	-0.06883 13
AEPW	WILKES #1	1 148	-0.06076 AEF		1		0.00807	-0.06883 13
AEPW	WILKES #1	1 148	-0.06076 AEF		1		0.00806	-0.06882 13
AEPW	WILKES #1	1 148	-0.06076 AEF		1		0.00806	-0.06882 13
			-0.06076 AEF					
AEPW	WILKES #1	1 148			1		0.00877	
AEPW	WILKES #1	1 148	-0.06076 AEF				0.00877	-0.06953 13
AEPW	WILKES #1	1 148	-0.06076 AEF		1		0.00869	-0.06945 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		G		0.00881	-0.06957 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		G		0.00881	-0.06957 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		G		0.00881	-0.06957 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		S		0.00881	-0.06957 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		S		0.00881	-0.06957 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		1		0.00712	-0.06788 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		1		0.00807	-0.06883 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		1		0.00807	-0.06883
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		1		0.00807	-0.06883 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF	W NORTHEASTERN STATION #2	1		0.00807	-0.06883 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF	W NORTHEASTERN STATION #3	1	304	0.00806	-0.06882 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF	W NORTHEASTERN STATION #4	1	304 (	0.00806	-0.06882 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF	W RIVERSIDE STATION #1	1	185 (	0.00877	-0.06953 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF	W RIVERSIDE STATION #2	1	237 (	0.00877	-0.06953 13
AEPW	WILKES #2	1 245.3689	-0.06076 AEF	W TULSA POWER STATION # 1	1	38 (	0.00869	-0.06945 13
AEPW	WILKES #1	1 148	-0.06076 AEF	W FITZ_CT1	1	59 (	0.00388	-0.06464 14
AEPW	WILKES #1	1 148	-0.06076 AEF	W FITZ_ST1	1	44 (	0.00388	-0.06464 14
AEPW	WILKES #2	1 245.3689	-0.06076 AEF	W FITZ CT1	1	59 (	0.00388	-0.06464 14
AEPW	WILKES #2	1 245.3689	-0.06076 AEF	W FITZ_ST1	1	44 (	0.00388	-0.06464 14
AEPW	WILKES #1	1 148	-0.06076 AEF	W LEBROCK GAS 1	1	150 -0	0.00884	-0.05192 17
AEPW	WILKES #1	1 148	-0.06076 AEF	W LEBROCK GAS 2	1	165 -0	0.00884	-0.05192 17
AEPW	WILKES #1	1 148	-0.06076 AEF		1	50 -0	0.00884	-0.05192 17
AEPW	WILKES #1	1 148	-0.06076 AEF	W NARROWS GENERATOR	1	22 -(	0.00834	-0.05242 17
AEPW	WILKES #2	1 245,3689	-0.06076 AEF	W LEBROCK GAS 1	1	150 -0	0.00884	-0.05192 17
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		1		0.00884	-0.05192 17
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		1		0.00884	-0.05192 17
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		1		0.00834	-0.05242 17
AEPW	WILKES #1	1 148	-0.06076 AEF		11		0.01311	-0.04765 19
AEPW	WILKES #2	1 245.3689	-0.06076 AEF		li l		0.01311	-0.04765
AEPW	WILKES #1	1 148	-0.06076 AEF		1		0.01561	-0.04515 20
AEPW	WILKES #1	1 148	-0.06076 AEF		<del>     </del>		0.01561	-0.04515 20
AEPW	WILKES #1	1 148	-0.06076 AEF		<del>li l</del>		0.01563	-0.04513 20
	ont and Maximum Ingrament ware determine from t					. 0.1000 -0	3.3 1000	5.5 70 TO

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1 ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
To->From
SPP-AEPW-29

Direction:

Line Outage:

53245533001SPP-AEPW-291107SP 6/1/07 - 10/1/07 Flowgate:

Date Redispatch Needed:

Reservation	Relief Amount	Amount									
1019916		12.4									
1023236		12.4									
1034259		12.4									
1037581	1 0.3	12.4									
			Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id			Factor	(MW)
AEPW	LONE STAR POWER PLANT	1	50			COMANCHE #1	1	96.99999	0.01243		
AEPW	LONE STAR POWER PLANT	1	50			COMANCHE #2	1	63	0.01243		
AEPW	LONE STAR POWER PLANT	1	50			COMANCHE #3	1	63	0.01238		
AEPW	LONE STAR POWER PLANT	1	50			SOUTHWESTERN STATION #3	1	231	0.01211	-0.09969	
AEPW	LONE STAR POWER PLANT	1	50	0.00.00		WELSH #1	1	330	0.01229		
AEPW	LONE STAR POWER PLANT	1	50			WELSH #2	1	330	0.01229		124
AEPW	LONE STAR POWER PLANT	1	50	0.00.00		WELSH #3	1	330	0.01229		124
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.09639	
AEPW	LONE STAR POWER PLANT	1	50			COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.09639	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.09639	
AEPW	LONE STAR POWER PLANT	1	50			COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.09639	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.09639	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	RIVERSIDE STATION #1	1	332	0.00877		
AEPW	LONE STAR POWER PLANT	1	50			RIVERSIDE STATION #2	1	314	0.00877		
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	TULSA POWER STATION # 1	1	75	0.00869		
AEPW	LONE STAR POWER PLANT	1	50			TULSA POWER STATION # 4	1	111	0.00869		128
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION # 1-1A	1	47.5	0.00807	-0.09565	129
AEPW	LONE STAR POWER PLANT	1	50			NORTHEASTERN STATION # 1-1B	1	47.5	0.00807	-0.09565	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #1	1	45	0.00807	-0.09565	
AEPW	LONE STAR POWER PLANT	1	50		AEPW	NORTHEASTERN STATION #2	1	360	0.00807	-0.09565	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #3	1	325	0.00806	-0.09564	129
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	NORTHEASTERN STATION #4	1	320	0.00806	-0.09564	
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	FLINT CREEK	1	420	0.00712	-0.0947	130
AEPW	LONE STAR POWER PLANT	1	50	-0.08758	AEPW	FITZ_CT1	1	82	0.00388	-0.09146	135

Aggregate Relief

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

AEPW	WILKES #1	1 114	-0.06076 AEPW	COMANCHE #1	11	96.99999	0.01243	-0.07319	169
AEPW	WILKES #1	1 114		COMANCHE #1		63	0.01243		169
					'				
AEPW	WILKES #1	1 114		COMANCHE #3	1	63	0.01238		169
AEPW	WILKES #1	1 114	-0.06076 AEPW	SOUTHWESTERN STATION #3	1	231	0.01211	-0.07287	169
AEPW	WILKES #1	1 114	-0.06076 AEPW	WELSH #1	1	330	0.01229		169
AEPW	WILKES #1	1 114	-0.06076 AEPW	WELSH #2	1	330	0.01229		169
AEPW	WILKES #1	1 114	-0.06076 AEPW	WELSH #3	1	330	0.01229	-0.07305	169
AEPW	WILKES #1	1 114	-0.06076 AEPW	COGENTRIX GAS TERTIARY # 1	G	183	0.00881	-0.06957	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	COGENTRIX GAS TERTIARY # 2	G	183	0.00881	-0.06957	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	COGENTRIX GAS TERTIARY # 3	G	69	0.00881	-0.06957	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	COGENTRIX STEAM TERTIARY # 1	S	115	0.00881	-0.06957	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	COGENTRIX STEAM TERTIARY # 2	S	115	0.00881	-0.06957	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	RIVERSIDE STATION #1	1	332	0.00877	-0.06953	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	RIVERSIDE STATION #2	1	314	0.00877	-0.06953	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	TULSA POWER STATION # 1	1	75	0.00869	-0.06945	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	TULSA POWER STATION # 4	1	111	0.00869	-0.06945	178
AEPW	WILKES #1	1 114	-0.06076 AEPW	NORTHEASTERN STATION #2	1	360	0.00807	-0.06883	179
AEPW	WILKES #1	1 114	-0.06076 AEPW	NORTHEASTERN STATION #3	1	325	0.00806	-0.06882	179
AEPW	WILKES #1	1 114	-0.06076 AEPW	NORTHEASTERN STATION #4	1	320	0.00806	-0.06882	179
AEPW	WILKES #1	1 114	-0.06076 AEPW	FLINT CREEK	1	420	0.00712	-0.06788	182
AEPW	WILKES #1	1 114	-0.06076 AEPW	FITZ_CT1	1	82	0.00388	-0.06464	191
AEPW	WILKES #1	1 114	-0.06076 AEPW	LEBROCK GAS 1	1	150	-0.00884	-0.05192	238
AEPW	WILKES #1	1 114	-0.06076 AEPW	LEBROCK GAS 2	1	165	-0.00884	-0.05192	238
AEPW	WILKES #1	1 114	-0.06076 AEPW	PIRKEY GENERATION	1	248	-0.01311	-0.04765	259
AEPW	WILKES #1	1 114	-0.06076 AEPW	EASTMAN GENERATION A	1	178.5	-0.01561	-0.04515	274
AEPW	WILKES #1	1 114	-0.06076 AEPW	EASTMAN GENERATION B	1	176.5	-0.01561	-0.04515	274
AEPW	WILKES #1	1 114	-0.06076 AEPW	KNOXLEE #5	1	225	-0.01563	-0.04513	274
AEPW	WILKES #1	1 114	-0.06076 AEPW	WILKES #3	1	311	-0.01737	-0.04339	285

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

ARKANSAS CITY - PARIS 69KV CKT 1 ARKANSAS CITY - PARIS 69KV CKT 1 Upgrade: Limiting Facility:

Direction:

To->From CRESWELL - OAK 69KV CKT 1 57542575481575435754712306SP Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

Reservation		Aggregate Relief Amount
1032990	2.1	11.0
1032990	2.9	11.0
1032990	2.1	11.0
1032993	0.9	11.0
1033723		11.0
1034312	2.2	11.0

10343	312 2	11.0	)								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	10
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.71049	1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.71049	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00202	-0.65009	9 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00202	-0.65009	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00415	-0.64796	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00415	-0.64796	3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	5 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	5 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00237	-0.64974	1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00237	-0.64974	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00193	-0.65018	3 1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00193	-0.65018	3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00233	-0.64978	3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	3 1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	3 1
WERE	CITY OF WINFIELD	1	14.8		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00238	-0.64973	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211		TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00238		3 1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	WACO	1	17.97	-0.003	-0.64911	1
WERE	CITY OF WINFIELD	ĪT	10.2	-0.65211	WERE	WACO	1	17.97	-0.003	-0.64911	1

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

## Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: ARKANSAS CITY - PARIS 69KV CKT 1 ARKANSAS CITY - PARIS 69KV CKT 1 Direction: To-From Outs 98 V CN Direction: To-From In Outage: CRESWELL - OAK 69KV CKT 1 Flowgate: 57542575481575435754714306SH Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief
Reservation		Amount
1032990	0.6	2.9
1032990	0.6	2.9
1032990	0.3	2.9
1032993	0.3	2.9
1033723	0.3	2.9
1034312	0.7	2.9

1034:	312 0.7	2.9	)								
			Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	25		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	
WERE	CITY OF WINFIELD	T	10.2			ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00223	-0.64988	
WERE	CITY OF WINFIELD	1	25			CHANUTE GENERATION SUB	14	33.658	-0.00233	-0.64978	
WERE	CITY OF WINFIELD	T	10.2			CHANUTE GENERATION SUB	14	33.658	-0.00233	-0.64978	
WERE	CITY OF WINFIELD	1	25			CITY OF ERIE	1	20	-0.00233	-0.64978	
WERE	CITY OF WINFIELD	T	10.2			CITY OF ERIE	1	20	-0.00233	-0.64978	
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838		
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	4
WERE	CITY OF WINFIELD	1	25			EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00237	-0.64974	
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00237	-0.64974	. 4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	, 4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00193	-0.65018	, 4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00193		
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	4
WERE	CITY OF WINFIELD	T	10.2			JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00234	-0.64977	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	4
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00233	-0.64978	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00238	-0.64973	١ 4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00238	-0.64973	4
WERE	CITY OF WINFIELD	1	25	-0.65211	WERE	WACO	1	17.964	-0.003	-0.64911	4
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	WACO	1	17.964	-0.003	-0.64911	4

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WEDE	loctiv I.		0.040=0	WEDE	OLTY OF MELLINOTON	1-	00 0.05000 0.07404
WERE	GETTY 1	35			CITY OF WELLINGTON	5	20 0.05838 -0.07491 39
WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	80	-0.00415		CITY OF WELLINGTON	5	20 0.05838 -0.06253 46
WERE	EVANS ENERGY CENTER GAS TURBINE 2 1	80	-0.00415		CITY OF WELLINGTON	5	20 0.05838 -0.06253 46
WERE	EVANS ENERGY CENTER GAS TURBINE 3 1	154	-0.00415		CITY OF WELLINGTON	5	20 0.05838 -0.06253 46
WERE	EVANS ENERGY CENTER UNIT 1 1	151	-0.00416	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06254 46
WERE	EVANS ENERGY CENTER UNIT 2 1	23	-0.00416	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06254 46
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	51	-0.00202	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.0604 48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.00202	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.0604 48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.00202	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.0604 48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.00202	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.0604 48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.00202	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.0604 48
WERE	GILL ENERGY CENTER UNIT 3 1	47.32935	-0.00237	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06075 48
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.00193	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.00193	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.00193	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.00193	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 48
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.00193	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 48
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.00193	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 48
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.00193	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 48
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.00193	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 48
WERE	JEFFREY ENERGY CENTER UNIT 1 1	24	-0.00234	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06072 48
WERE	JEFFREY ENERGY CENTER UNIT 2 1	20	-0.00233	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06071 48
WERE	JEFFREY ENERGY CENTER UNIT 3 1	22	-0.00233	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06071 48
WERE	LAWRENCE ENERGY CENTER UNIT 3 1	59	-0.0023	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06068 48
WERE	LAWRENCE ENERGY CENTER UNIT 4 1	19.00001	-0.0023	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06068 48
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.3692	-0.00233	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06071 48
WERE	NEOSHO ENERGY CENTER UNIT 3 1	67	-0.00164	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06002 48
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1	20	-0.00238	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06076 48
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2	21	-0.00238	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06076 48
WERE	TECUMSEH ENERGY CENTER UNIT 8 1	37.99999	-0.00238	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06076 48
WERE	GILL ENERGY CENTER UNIT 1 1	44	-0.00085	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.05923 49
WERE	GILL ENERGY CENTER UNIT 2 1	74	-0.00086	WERE	CITY OF WELLINGTON	5	20 0.05838 -0.05924 49
Manifestore December 1	Maximum Ingrament was determine from the Cause and Cink One	. B					

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
From->To
HOYT - STRANGER CREEK 345KV CKT 1
57152573311567655677211106FA

Direction:

Line Outage: Flowgate:

Date Redispatch Needed: 10/1/06 - 12/1/06

eservation	Relief Amount	Relief Amount									
103295		0.8 3.6	3								
103436		2.4 3.6									
103439		0.3 3.6									
103759	91	0.1 3.6	3								
			Maximum		Sink			Maximum			Redispato
			Increment		Control			Decrement(			Amount
ource Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
/EPL	CLIFTON GENERATOR	1	70			A. M. MULLERGREN GENERATOR	3	25		-0.10232	7
/EPL	CLIFTON GENERATOR	1	70			JUDSON LARGE GENERATOR	4	70.11459	0.01026	-0.09357	1
/ERE	GETTY	1	35		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.06475	
/ERE	GETTY	1	35		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.06475	
/ERE	GETTY	1	35		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.06282	
/ERE /ERE	GETTY GETTY	1	35		WERE	TECUMSEH ENERGY CENTER UNIT 8 JEFFREY ENERGY CENTER UNIT 1	1	68.00001	0.06052 0.05724	-0.06282 -0.05954	
/ERE	NEOSHO ENERGY CENTER UNIT 3	1	67			JEFFREY ENERGY CENTER UNIT 2	1	470 470	0.05724	-0.05606	
/ERE	NEOSHO ENERGY CENTER UNIT 3	1	67			JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05606	
/ERE	NEOSHO ENERGY CENTER UNIT 3	1	67			TECUMSEH ENERGY CENTER UNIT 7	1	470	0.06243	-0.05413	
/ERE	NEOSHO ENERGY CENTER UNIT 3	i	67			TECUMSEH ENERGY CENTER UNIT 8	li i	68.00001	0.06052	-0.05413	
/ERE	GILL ENERGY CENTER UNIT 1	1	44			JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05336	
/ERE	GILL ENERGY CENTER UNIT 1	1	44			JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05336	
'ERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05336	
/ERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05336	5
/ERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05178	3
ERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05178	3
'ERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05178	
'ERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05178	
/ERE	EVANS ENERGY CENTER UNIT 1	1	151			JEFFREY ENERGY CENTER UNIT 2	1	470	0.06245	-0.05177	
/ERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068		JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05177	
/ERE	GILL ENERGY CENTER UNIT 1	1	44			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.05143	
/ERE	GILL ENERGY CENTER UNIT 1	1	74			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05143	
/ERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052 0.06052	-0.05143	
/ERE /ERE	GILL ENERGY CENTER UNIT 2 NEOSHO ENERGY CENTER UNIT 3	1	67			JEFFREY ENERGY CENTER UNIT 1	1	470	0.06052	-0.05143 -0.05085	
/ERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04985	
/ERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04985	
/ERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04985	
/ERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04985	
/ERE	EVANS ENERGY CENTER UNIT 1	1	151			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06052	-0.04984	
'ERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04984	i i
/ERE	GILL ENERGY CENTER UNIT 1	1	44	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04815	i
'ERE	GILL ENERGY CENTER UNIT 2	1	74	0.00909	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04815	j
'ERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04657	
/ERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04657	
ERE	EVANS ENERGY CENTER UNIT 1	1	151			JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.04656	j
/ERE	GETTY	1	35		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.04637	1
'ERE	GETTY	1	35		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03833	-0.04063	
ERE	GETTY	1	35		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03833	-0.04063	
'ERE 'ERE	GETTY NEOSHO ENERGY CENTER UNIT 3	1	35 67		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.03588 0.04407	-0.03818 -0.03768	
ERE	GETTY	1			WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	120	0.04407	-0.03702	
ERE	GETTY	1	35		WERE	HUTCHINSON ENERGY CENTER UNIT 4  LAWRENCE ENERGY CENTER UNIT 4	1	120	0.03472	-0.03702	
ERE	GILL ENERGY CENTER UNIT 1	1	44			ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.03498	
ERE	GILL ENERGY CENTER UNIT 2	1	74			ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04407	-0.03498	
ERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.0334	
ERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.0334	
ERE .	EVANS ENERGY CENTER UNIT 1	1	151			ABILENE ENERGY CENTER GAS TURBINE 1	li	40	0.04407	-0.03339	9
ERE	NEOSHO ENERGY CENTER UNIT 3	1	67			BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03833	-0.03194	

## Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1

Line Outage: HOYT - STRANGER CREEK 345KV CKT 1 Flowgate: Date Redispatch Needed: 57152573311567655677211306WP 12/1/06 - 4/1/07

Reservation	Relief Amount		Aggregate Relief Amount
1022463		4.1	9.3
1032956		0.8	9.3
1034363		2.5	9.3
1034394		0.3	9.3
1034407	·	1.4	9.3
1037591		0.1	9.3

1037	591 0	.1 9.3	3								
			Maximum Increment(		Sink Control			Maximum Decrement(			Redispatch Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id			Factor	(MW)
WEPL	CLIFTON GENERATOR	1	70		WEPL	A. M. MULLERGREN GENERATOR	3	45.50854	0.01937		91
WEPL	CLIFTON GENERATOR	1	70	-0.08293	WEPL	JUDSON LARGE GENERATOR	4	88.80332	0.01063		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05618	165
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659		JEFFREY ENERGY CENTER UNIT 3	1	470			165
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05342	
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935		JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277		
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05325	
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05325	
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.0532	
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.0532	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	1 179
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05183	179
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05183	179
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05183	
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05183	179
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.05097	
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04821	1 192
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04804	
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04799	193
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	199
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04662	199
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04662	199

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1

Direction:

From->To
HOYT - STRANGER CREEK 345KV CKT 1 Line Outage: 57152573311567655677211307FA Flowgate:

Date Redispatch Needed: 10/1/07 - 12/1/07

Reservation		Aggregate Relief Amount
1032956	0.6	6.2
1032992	0.7	6.2
1034234	0.8	6.2
1034276	1.8	6.2
1034363	2.0	6.2
1034394	0.2	6.2
1037591	0.1	6.2

10343											
10375	591 0.1	1 6.2			Cink			Massinasson		1	Dadianatak
			Maximum		Sink			Maximum			Redispatch
Course Control Area	Source	Source Id	Increment( MW)	GSF	Control	Cint	Sink Id	Decrement( MW)	GSF	Footor	Amount (MW)
Source Control Area WEPL	CLIFTON GENERATOR	50urce iu	70	-0.08353	Area WEPL	Sink A. M. MULLERGREN GENERATOR	SITIK IU	,	0.02055	Factor -0.10408	3 5
		1					3	56.46272			
WEPL	CLIFTON GENERATOR	1	70	-0.08353	WEPL	JUDSON LARGE GENERATOR	4	91.02883	0.01108		1 (
WERE	GETTY	1	35		WERE	JEFFREY ENERGY CENTER UNIT 2		470			
WERE	GETTY	1	35	-0.00236		JEFFREY ENERGY CENTER UNIT 3	1	470			1 9
WERE	GETTY	1	35	-0.00236		TECUMSEH ENERGY CENTER UNIT 7	!	40			1 !
WERE	GETTY	1	35	-0.00236		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			1 .
WERE	GETTY	1	35	-0.00236		JEFFREY ENERGY CENTER UNIT 1	1	470			3 10
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639		JEFFREY ENERGY CENTER UNIT 2	1	470			1
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639		JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215		5 1 <sup>-</sup>
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.000-0		5 1 <sup>-</sup>
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05386	3 1°
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470			11
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.05304	11
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05304	11
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05304	1 1
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05287	7 11
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05287	7 11
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	3 12
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	3 1:
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	3 12
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	3 12
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067		JEFFREY ENERGY CENTER UNIT 3	1	470			
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068		JEFFREY ENERGY CENTER UNIT 2	1	470			7 12
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068		JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215		7 12
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025		1 1
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025		1 12
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025		7 12
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639		JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694		5 12
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025		
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025		3 12
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025		3 12
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01067		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025		7 12
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01000		JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694		3 12
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911		JEFFREY ENERGY CENTER UNIT 1	1	470			3 12
WERE	GILL ENERGY CENTER UNIT 2	1	112		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470			6 1
		1		0.00928			1				
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80 80	0.01067		JEFFREY ENERGY CENTER UNIT 1	1	470 470			7 13
NERE .	EVANS ENERGY CENTER GAS TURBINE 2	<u> </u>				JEFFREY ENERGY CENTER UNIT 1	1				7 1:
WERE	EVANS ENERGY CENTER GAS TURBINE 3	17	154	0.01067		JEFFREY ENERGY CENTER UNIT 1	1	470			7 1:
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068		JEFFREY ENERGY CENTER UNIT 1	1	470			
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639		CLAY CENTER JUNCTION	1	9999	0.04447		3 10
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911		CLAY CENTER JUNCTION	1	9999	0.04447		1
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00928		CLAY CENTER JUNCTION	1	9999	0.04447		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.0338	3 1
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01067		CLAY CENTER JUNCTION	1	9999	0.04447		3 1
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067		CLAY CENTER JUNCTION	1	9999	0.04447		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	CLAY CENTER JUNCTION	1	9999	0.04447	-0.03379	1

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 Upgrade: Limiting Facility:

Direction: From->To

Line Outage: HOYT - STRANGER CREEK 345KV CKT 1 57152573311567655677211307WP Flowgate:

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Date Redispatch Needed: 12/1/07 - 4/1/08

		Aggregate Relief
Reservation	Relief Amount	Amount
1022463	3.1	9.8
1032956	0.5	9.8
1032992	0.7	9.8
1032992	0.5	9.8
1034234	0.8	9.8
1034276	1.8	9.8
1034363	2.1	9.8
1034394	0.2	9.8
1037591	0.1	9.8

1037 33 1	0.1	9.0									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08337	WEPL	A. M. MULLERGREN GENERATOR	3	41.28804	0.02068	-0.10405	94
WEPL	CLIFTON GENERATOR	1	70	-0.08337	WEPL	JUDSON LARGE GENERATOR	4	90.65675	0.01122	-0.09459	104
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.0531	185
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.0531	185
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.05154	190
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.05154	190
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.05153	190
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.05153	190
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.05121	191
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.04965	197
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.04964	198
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.0479	205
	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.04634	
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.04633	212
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	CLAY CENTER JUNCTION	1	9999	0.04457	-0.03386	290

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1 CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1
From->To
HOYT - STRANGER CREEK 345KV CKT 1
57152573311567655677211308WP

Line Outage: Flowgate:

Date Redispatch Needed: 12/1/07 - 4/1/08

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1022468	3.1	19.9
1032956	0.8	19.9
1032992	1.1	19.9
1032992	0.5	19.9
1032993	0.7	19.9
1032994	3.2	19.9
1032994	2.5	19.9
1032994	2.4	19.9
1034234	0.8	19.9
1034276	1.8	19.9
1034363	2.7	19.9
1034394	0.3	19.9
1037591	0.1	19.9

			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06231	-0.05159	385
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06231	-0.05159	385
WERE	EVANS ENERGY CENTER GAS TURBINE 4	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06231	-0.05159	385
WERE	EVANS ENERGY CENTER GAS TURBINE 4	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06231	-0.05159	385
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06231	-0.05158	385
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06231	-0.05158	
WERE	EVANS ENERGY CENTER UNIT 2	1	218	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06231	-0.05158	385
WERE	EVANS ENERGY CENTER UNIT 2	1	218	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06231	-0.05158	385
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05712	-0.0464	428
WERE	EVANS ENERGY CENTER GAS TURBINE 4	1	154	0.01072	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05712	-0.0464	428
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05712	-0.04639	428
WERE	EVANS ENERGY CENTER UNIT 2	1	218	0.01073	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05712	-0.04639	428
	EVANS ENERGY CENTER UNIT 2	1	218			CLAY CENTER JUNCTION	1	9999	0.04463	-0.0339	586

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1

 Limiting Facility:
 CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1

 Direction:
 From->To

 Line Outage:
 HOYT - STRANGER CREEK 345KV CKT 1

 Flowgate:
 57152573311567655677214106SP

 Date Redispatch Needed:
 6/1/06 - 10/1/06

		Aggregate Relief
Reservation	Relief Amount	Amount
1032956	0.0	0.1
1034363	0.0	0.1
1034394	0.0	0.1
1034407	0.0	0.1
1037591	0.0	0.1

1037591	0.0	0.1	1								
1037391	0.0	0.1	Maximum		Sink		1	Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CLIFTON GENERATOR	1	12.0448		WEPL	A. M. MULLERGREN GENERATOR	3	63			· /
WEPL	CLIFTON GENERATOR	1	12.0448	-0.08302		JUDSON LARGE GENERATOR	4	107.9828			
WERE	GETTY	1	35	-0.00302		JEFFREY ENERGY CENTER UNIT 1	1	470			
WERE	GETTY	1	35	-0.00219		JEFFREY ENERGY CENTER UNIT 2	1	470			+
WERE	GETTY	1	35	-0.00219		JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.06481	-
WERE	GETTY	1	35	-0.00219		TECUMSEH ENERGY CENTER UNIT 7	1	55			,
WERE	GETTY	1	35	-0.00219		TECUMSEH ENERGY CENTER UNIT 8	1	103			
		1		0.00219			1	40			,——
WERE	CITY OF WINFIELD CITY OF WINFIELD	- -	14.8 10.2	0.00697		ABILENE ENERGY CENTER GAS TURBINE 1	1	40			,——
WERE		1				ABILENE ENERGY CENTER GAS TURBINE 1	1	470			
WERE	CITY OF WINFIELD	7	14.8	0.00697		JEFFREY ENERGY CENTER UNIT 1	1				
WERE	CITY OF WINFIELD	1	10.2	0.00697		JEFFREY ENERGY CENTER UNIT 1	1	470			4
WERE	CITY OF WINFIELD	1	14.8	0.00697		JEFFREY ENERGY CENTER UNIT 2	11	470		0.0000	<del>1</del>
WERE	CITY OF WINFIELD	1	10.2	0.00697		JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05565	4
WERE	CITY OF WINFIELD	1	14.8	0.00697		JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262		4
WERE	CITY OF WINFIELD	1	10.2	0.00697		JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05565	4
WERE	CITY OF WINFIELD	1	14.8	0.00697		TECUMSEH ENERGY CENTER UNIT 7	1	55			4
WERE	CITY OF WINFIELD	T	10.2	0.00697		TECUMSEH ENERGY CENTER UNIT 7	1	55			1
WERE	CITY OF WINFIELD	1	14.8	0.00697		TECUMSEH ENERGY CENTER UNIT 8	1	103			1
WERE	CITY OF WINFIELD	T	10.2	0.00697		TECUMSEH ENERGY CENTER UNIT 8	1	103			1
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077		JEFFREY ENERGY CENTER UNIT 1	1	470			1
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077		JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470			
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.04992	4
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077		TECUMSEH ENERGY CENTER UNIT 8	1	103			4
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.04668	i
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05184	,
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05184	,
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.04991	
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.04991	
WERE	GETTY	1	35	-0.00219	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.04683	i
WERE	GETTY	1	35	-0.00219	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03853	-0.04072	4
WERE	GETTY	1	35	-0.00219	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03853	-0.04072	1
WERE	GETTY	1	35	-0.00219	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03852	-0.04071	1
WERE	GETTY	1	35	-0.00219	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03853	-0.04072	1
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.03489	-0.03708	i
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.03489	-0.03708	i
WERE	GETTY	1	35	-0.00219	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.03487	-0.03706	i
WERE	GETTY	1	35	-0.00219		HUTCHINSON ENERGY CENTER UNIT 2	1	10			í
WERE	GETTY	1	35	-0.00219		HUTCHINSON ENERGY CENTER UNIT 3	1	20			j
WERE	GETTY	1	35	-0.00219		HUTCHINSON ENERGY CENTER UNIT 4	1	120			
WERE	GETTY	1	35	-0.00219		LAWRENCE ENERGY CENTER UNIT 3	1	25			
WERE	GETTY	1	35	-0.00219		LAWRENCE ENERGY CENTER UNIT 4	1	75			
WERE	GETTY	1	35			LAWRENCE ENERGY CENTER UNIT 5	1	234.7882	0.03599		

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092		ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03544
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.04826
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05342
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05342
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.05149
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0092	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.05149
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03528
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.0481
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05326
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05326
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.05133
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.00936	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.05133
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03813
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05746	-0.05095
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06262	-0.05611
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06262	-0.05611
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.06069	-0.05418
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.06069	-0.05418
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03853	-0.03156
WERE	CITY OF WINFIELD	Т	10.2	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03853	-0.03156
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03853	-0.03156
WERE	CITY OF WINFIELD	Т	10.2	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03853	-0.03156
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03852	-0.03155
WERE	CITY OF WINFIELD	T	10.2	0.00697	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03852	-0.03155
WERE	CITY OF WINFIELD	1	14.8	0.00697	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03853	-0.03156
WERE	CITY OF WINFIELD	T	10.2	0.00697	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03853	-0.03156
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01077	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03387
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.01078	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04464	-0.03386
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03853	-0.03202
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03853	-0.03202
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03852	-0.03201
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00651	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03853	-0.03202
						· · · · · · · · · · · · · · · · · · ·				

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1 CITY OF WELLINGTON - SUMNER COUNTY NO. 4 ROME 69KV CKT 1

Direction:

To->From
GILL ENERGY CENTER WEST - PECK 69KV CKT 1
57560575531577965783011306SH Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

Date Redispatch Needed:	6/1/06 - 10/1/06		_								
		Aggregate									
		Relief									
Reservation	Relief Amount	Amount	_								
103299											
103299											
103372	23 0.5	2.2									
			Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id		GSF	Factor	(MW)
WERE	CITY OF WELLINGTON	5	16		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-1	. 2
WERE	CITY OF WELLINGTON	6	19.5		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-1	. 2
WERE	CITY OF WELLINGTON	5	16		WERE	CHANUTE GENERATION SUB	14	33.658		-1	. 2
WERE	CITY OF WELLINGTON	6	19.5		WERE	CHANUTE GENERATION SUB	14	33.658		-1	. 2
WERE	CITY OF WELLINGTON	5	16		WERE	CITY OF ERIE	1	20		-1	. 2
WERE	CITY OF WELLINGTON	6	19.5		WERE	CITY OF ERIE	1	20	0	-1	1 2
WERE	CITY OF WELLINGTON	5	16		WERE	CITY OF WINFIELD	1	24.41401	0	-1	. 2
WERE	CITY OF WELLINGTON	6	19.5		WERE	CITY OF WINFIELD	1	24.41401	0	-1	2
WERE	CITY OF WELLINGTON	5	16		WERE	EVANS ENERGY CENTER UNIT 2	1	305		-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0	-1	2
WERE	CITY OF WELLINGTON	5	16		WERE	GILL ENERGY CENTER UNIT 4	1	77		-1	2
WERE	CITY OF WELLINGTON	6	19.5		WERE	GILL ENERGY CENTER UNIT 4	1	77	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.2985	0	-1	1 2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.2985	0	-1	1 2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	2
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0	-1	2
WERE	CITY OF WELLINGTON	5	16	-1	WERE	WACO	1	17.964	0	-1	2

WERE CITY OF WELLINGTON 6 J 19.5J - IJWENE JWACO

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. CITY OF WELLINGTON

Redispatch Amount = Relief Amount / Factor

17.964

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: CITY OF WINFIELD - RAINBOW 69KV CKT 1 CITY OF WINFIELD - RAINBOW 69KV CKT 1

Direction: To->From

OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1 57561575491575475755612306SP Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

			Aggregate Relief
Reservation	Relief Amount		Amount
1032990		1.1	5.6
1032990		1.5	5.6
1032990		1.1	5.6
1032993		0.5	5.6
1033723		0.4	5.6
1034312		1.1	5.6

1034	312 1.	1 5.6	5								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CITY OF WELLINGTON	6	19.5	0.06276	-0.76375	i
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	j
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.76375	,
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF WELLINGTON	6	19.5	0.06276	-0.76375	j i
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	1
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	,
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00217	-0.69882	4
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00217	-0.69882	
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00217	-0.69882	4
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00217	-0.69882	
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00217	-0.69882	4
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00217	-0.69882	4
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00217	-0.69882	
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00217	-0.69882	4
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00251	-0.69848	i
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	i
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00446	-0.69653	i
WERE	CITY OF WINFIELD	Τ	10.2	-0.70099	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00446	-0.69653	j
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	1
WERE	CITY OF WINFIELD	Τ	10.2	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	4
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00255	-0.69844	į
WERE	CITY OF WINFIELD	Τ	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00255	-0.69844	į
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	j e
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	j .
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00208	-0.69891	1
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00208	-0.69891	
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	/
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	1
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	í
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	i
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	i
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00247	-0.69852	1
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00247	-0.69852	:
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	:
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	:
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00251	-0.69848	,
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00251	-0.69848	1
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	i
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	i
WERE	CITY OF WINFIELD	1	14.8	-0.70099		TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00256	-0.69843	5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00256	-0.69843	i
WERE	CITY OF WINFIELD	1	14.8	-0.70099	WERE	WACO	1	17.97	-0.00323	-0.69776	i i
WERE	CITY OF WINFIELD	İΤ	10.2	-0.70099	WERE	WACO	1	17.97	-0.00323	-0.69776	i

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 CITY OF WINFIELD - RAINBOW 69KV CKT 1

 Limiting Facility:
 CITY OF WINFIELD - RAINBOW 69KV CKT 1

 Direction:
 To->From

 Line Outage:
 OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1

 Flowgate:
 57561575491575475755614306SH

 Date Redispatch Needed:
 6/1/06 - 10/1/06

Reservation	Relief Amount		Aggregate Relief Amount
1032990		0.4	2.1
1032990		0.5	2.1
1032990		0.2	2.1
1032993		0.2	2.1
1033723		0.2	2.1
1034312	·	0.5	2.1

103431	2 0.8	5 2.1									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024	-0.69859	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CITY OF ERIE	1	20	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099		CITY OF ERIE	1	20	-0.00251		3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	CITY OF WELLINGTON	5	20			j 3
WERE	CITY OF WINFIELD	T	10.2	-0.70099		CITY OF WELLINGTON	5	20			j 3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	2 3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00447	-0.69652	2 3
WERE	CITY OF WINFIELD	1	25	-0.70099		GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00255		
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00255	-0.69844	<i>i</i> 3
WERE	CITY OF WINFIELD	1	25	-0.70099		GILL ENERGY CENTER UNIT 4	1	77	0.00000		
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00208	-0.69891	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099		HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00208		. 3
WERE	CITY OF WINFIELD	1	25	-0.70099		JEFFREY ENERGY CENTER UNIT 1	1	470			7 3
WERE	CITY OF WINFIELD	T	10.2	-0.70099		JEFFREY ENERGY CENTER UNIT 1	1	470			/ 3
WERE	CITY OF WINFIELD	1	25	-0.70099		JEFFREY ENERGY CENTER UNIT 2	1	470			
WERE	CITY OF WINFIELD	T	10.2	-0.70099		JEFFREY ENERGY CENTER UNIT 2	1	470	0.00-0		
WERE	CITY OF WINFIELD	1	25	-0.70099		JEFFREY ENERGY CENTER UNIT 3	1	470			
WERE	CITY OF WINFIELD	T	10.2	-0.70099		JEFFREY ENERGY CENTER UNIT 3	1	470	0.00-0		
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247		
WERE	CITY OF WINFIELD	T	10.2	-0.70099		LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247		
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099		LAWRENCE ENERGY CENTER UNIT 5	1	232.6308			
WERE	CITY OF WINFIELD	1	25	-0.70099		TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256		
WERE	CITY OF WINFIELD	T	10.2	-0.70099		TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256		
WERE	CITY OF WINFIELD	1	25	-0.70099		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00256		1
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00256	-0.69843	3
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	WACO	1	17.964	-0.00323	-0.69776	; 3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	WACO	1	17.964	-0.00323	-0.69776	j 3

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	GETTY	1	35	-0.01776	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.08052
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.00446		CITY OF WELLINGTON	5	20	0.06276	-0.06722
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	-0.00446		CITY OF WELLINGTON	5	20	0.06276	-0.06722
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	-0.00446		CITY OF WELLINGTON	5	20	0.06276	
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.00447		CITY OF WELLINGTON	5	20	0.06276	-0.06723
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.00447	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06723
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.00217	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493
WERE	GILL ENERGY CENTER UNIT 3	1	47.32935	-0.00255	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06531
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.00208	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	-0.00252	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06528
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.00247	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06523
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.00247	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06523
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.3692	-0.00251	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00177	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06453
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	-0.00256	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.00091	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06367
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.00093	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06369

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

## Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: CLAY CENTER - GREENLEAF 115KV CKT 1 KELLY - SOUTH SENECA 115KV CKT 1

Direction:

From-To
CONCORDIA (CONCORD6) 230/115/13.8KV TRANSFORMER CKT 1
57217573371CONCNCORD66314206SH Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief									
Reservation	Relief Amount	Amount									
1034311	1.7	10.7									
1034363	8.3	10.7									
1034628	0.3	10.7									
1037591	0.4	10.7									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)			Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CLIFTON GENERATOR	1	63.25693		WEPL	JUDSON LARGE GENERATOR	4	108.5833	-0.0272	-0.52148	3 21
WEPL	CLIFTON GENERATOR	1	63.25693	-0.54868	WEPL	A. M. MULLERGREN GENERATOR	3	63	-0.0598	-0.48888	3 22

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: CRESWELL - OAK 69KV CKT 1

CRESWELL - OAK 69KV CKT 1
From->To
CRESWELL - PARIS 69KV CKT 1
57543575471575435754812306SP Line Outage: Flowgate: 57543575471575 Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032990	3.4	18.1
1032990	4.7	18.1
1032990	3.4	18.1
1032990	3.4	18.1
1032990	4.7	18.1
1032990	3.4	18.1
1032993	1.5	18.1
1032993	1.5	18.1
1033723	1.4	18.1
1033723	1.4	18.1
1034312	3.6	18.1
1034312	3.6	18.1

103431	2 3.6	18.1									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	14.8	-0.74122		CITY OF WELLINGTON	6	19.5	0.06636		3
WERE	CITY OF WINFIELD	1	14.8	-0.74122		CITY OF WELLINGTON	5	20			3
WERE	CITY OF WINFIELD	T	10.2	-0.74122		CITY OF WELLINGTON	5	20	0.06636		3
WERE	CITY OF WINFIELD	T	10.2	-0.74122		CITY OF WELLINGTON	6	19.5		-0.80758	8
WERE	CITY OF WINFIELD	1	14.8	-0.74122		ABILENE ENERGY CENTER GAS TURBINE 1	1	40			)
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00253	-0.73869	
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	-0.00229	-0.73893	8
WERE	CITY OF WINFIELD	T	10.2	-0.74122		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.73893	8
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	-0.00229	-0.73893	
WERE	CITY OF WINFIELD	T	10.2	-0.74122		BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30		-0.73893	3
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00229	-0.73893	3
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	-0.00229	-0.73893	3
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00229	-0.73893	3
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00229	-0.73893	3
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00265	-0.73857	1 :
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00265	-0.73857	1 :
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	CITY OF ERIE	1	20	-0.00265	-0.73857	1 :
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CITY OF ERIE	1	20	-0.00265	-0.73857	1 2
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.0027	-0.73852	2
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.0027	-0.73852	2
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00326	-0.73796	3
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00326	-0.73796	:
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.0022	-0.73902	2
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.0022	-0.73902	
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00266	-0.73856	1
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00266	-0.73856	5
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00265	-0.73857	1 :
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00265	-0.73857	1
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00261	-0.73861	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00261	-0.73861	
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00261	-0.73861	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00261	-0.73861	
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00271	-0.73851	
WERE	CITY OF WINFIELD	T	10.2	-0.74122		TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00271	-0.73851	
WERE	CITY OF WINFIELD	1	14.8	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00271	-0.73851	
WERE	CITY OF WINFIELD	T	10.2	-0.74122		TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00271	-0.73851	
WERE	CITY OF WINFIELD	1	14.8	-0.74122		WACO	1	17.97	-0.00341	-0.73781	
WERE	CITY OF WINFIELD	Т	10.2	-0.74122		WACO	1	17.97	-0.00341	-0.73781	
WERE	CITY OF WINFIELD	1	14.8	-0.74122		EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00472	-0.7365	;
WERE	CITY OF WINFIELD	Т	10.2	-0.74122		EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00472	-0.7365	
WERE	CITY OF WINFIELD	1	14.8	-0.74122		EVANS ENERGY CENTER UNIT 2	1	305			
WERE	CITY OF WINFIELD	i i	10.2	-0.74122		EVANS ENERGY CENTER UNIT 2	11	305			

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

 Upgrade:
 CRESWELL - OAK 69KV CKT 1

 Limiting Facility:
 CRESWELL - OAK 69KV CKT 1

 Direction:
 From->To

 Line Outage:
 CRESWELL - PARIS 69KV CKT 1

Flowgate: 57543575471575435754814306SH

Date Redispatch Needed: 6/1/06 - 10/1/06

			Aggregate
			Relief
Reservation	Relief Amount		Amount
1032990	)	1.3	6.2
1032990	)	1.4	6.2
1032990		0.7	6.2
1032990	)	1.3	6.2
1032990	)	1.4	6.2
1032990	)	0.7	6.2
1032993	3	0.6	6.2
1032993	3	0.6	6.2
1033723	3	0.6	6.2
1033723	3	0.6	6.2
103431	2	1.5	6.2
1034312		1.5	6.2

1034	1312	1.5 6.3	2								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	25		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00253	-0.73869	4
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00253	-0.73869	4
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00265	-0.73857	1
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CHANUTE GENERATION SUB	14	33.658	-0.00265	-0.73857	1
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	CITY OF ERIE	1	20	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	Т	10.2	-0.74122	WERE	CITY OF ERIE	1	20	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	CITY OF WELLINGTON	5	20	0.06636	-0.80758	i
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	CITY OF WELLINGTON	5	20	0.06636	-0.80758	i
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00473	-0.73649	4
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00473	-0.73649	/
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.0027	-0.73852	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.0027	-0.73852	
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00326	-0.73796	4
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00326	-0.73796	i e
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.0022	-0.73902	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.0022	-0.73902	
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00266	-0.73856	i e
WERE	CITY OF WINFIELD	Т	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00266	-0.73856	4
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00265	-0.73857	1
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00265	-0.73857	1
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00261	-0.73861	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00261	-0.73861	
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00265	-0.73857	1
WERE	CITY OF WINFIELD	Т	10.2	-0.74122	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00265	-0.73857	
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.0027	-0.73852	
WERE	CITY OF WINFIELD	T	10.2	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.0027	-0.73852	
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.0027	-0.73852	1
WERE	CITY OF WINFIELD	Т	10.2	-0.74122	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.0027	-0.73852	1
WERE	CITY OF WINFIELD	1	25	-0.74122	WERE	WACO	1	17.964	-0.00341	-0.73781	
WERE	CITY OF WINFIELD	İΤ	10.2	-0.74122	WERE	WACO	1	17.964	-0.00341	-0.73781	1

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: CRESWELL - PARIS 69KV CKT 1 CRESWELL - PARIS 69KV CKT 1 From->To CRESWELL - OAK 69KV CKT 1 57543575481575435754712306SP Direction:

Line Outage: Flowgate:

Date Redispatch Needed:	6/1/06 - 10/1/06		-								
		Aggregate									
Reservation	Relief Amount	Relief Amount									
1032990	0.1	0.7									
1032990	0.2	0.7									
1032990	0.1	0.7									
1032993	0.1	0.7									
1033723 1034312	0.1 0.1	0.7									
1034312	0.1	0.7	Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	14.8		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.64988	1
WERE WERE	CITY OF WINFIELD CITY OF WINFIELD	1	10.2 14.8		WERE WERE	ABILENE ENERGY CENTER GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 1	1	40 30	0.00-	-0.64988 -0.65009	
WERE	CITY OF WINFIELD	Ť	10.2			BPU - CITY OF MICPHERSON GAS TURBINE 1	1	30			
WERE	CITY OF WINFIELD	1	14.8			BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			
WERE	CITY OF WINFIELD	T	10.2			BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			
WERE	CITY OF WINFIELD	1	14.8			BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55			
WERE	CITY OF WINFIELD	T	10.2		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55			
WERE WERE	CITY OF WINFIELD CITY OF WINFIELD	T	14.8 10.2		WERE WERE	BPU - CITY OF MCPHERSON STEAM PLANT BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.00202 -0.00202	-0.65009 -0.65009	
WERE	CITY OF WINFIELD	1	14.8		WERE	CHANUTE GENERATION SUB	14	42.755	-0.00202	-0.64978	
WERE	CITY OF WINFIELD	Ť	10.2		WERE	CHANUTE GENERATION SUB	14	42.755	-0.00233	-0.64978	
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	Т	10.2	-0.65211	WERE	CITY OF ERIE	1	20	-0.00233	-0.64978	
WERE	CITY OF WINFIELD	1	14.8		WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.71049	
WERE WERE	CITY OF WINFIELD CITY OF WINFIELD	1 T	14.8 10.2		WERE	CITY OF WELLINGTON CITY OF WELLINGTON	5	20 19.5	0.05838	-0.71049 -0.71049	
WERE	CITY OF WINFIELD	T T	10.2		WERE	CITY OF WELLINGTON	5	20	0.05838	-0.71049	
WERE	CITY OF WINFIELD	1	14.8		WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00415	-0.64796	
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00415	-0.64796	1
WERE	CITY OF WINFIELD	1	14.8		WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00416	-0.64795	
WERE	CITY OF WINFIELD	T	10.2			EVANS ENERGY CENTER UNIT 2	1	305		-0.64795	
WERE WERE	CITY OF WINFIELD CITY OF WINFIELD	1 T	14.8 10.2		WERE WERE	GILL ENERGY CENTER UNIT 3 GILL ENERGY CENTER UNIT 3	1	78 78		-0.64974 -0.64974	
WERE	CITY OF WINFIELD	1	14.8			GILL ENERGY CENTER UNIT 4	1	77	-0.00237	-0.64924	
WERE	CITY OF WINFIELD	T	10.2		WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00287	-0.64924	
WERE	CITY OF WINFIELD	1	14.8			HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00193		
WERE	CITY OF WINFIELD	T	10.2			HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00193		
WERE	CITY OF WINFIELD	1	14.8			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.64977	
WERE WERE	CITY OF WINFIELD CITY OF WINFIELD	1	10.2 14.8		WERE WERE	JEFFREY ENERGY CENTER UNIT 1 JEFFREY ENERGY CENTER UNIT 2	1	470 470		-0.64977 -0.64978	
WERE	CITY OF WINFIELD	T	10.2		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.64978	
WERE	CITY OF WINFIELD	1	14.8		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.64978	
WERE	CITY OF WINFIELD	T	10.2		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.64978	1
WERE	CITY OF WINFIELD	1	14.8		WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.0023	-0.64981	1
WERE WERE	CITY OF WINFIELD	T	10.2 14.8		WERE WERE	LAWRENCE ENERGY CENTER UNIT 3  LAWRENCE ENERGY CENTER UNIT 4	1	25 60	-0.0023 -0.0023	-0.64981 -0.64981	1
WERE	CITY OF WINFIELD CITY OF WINFIELD	T	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.0023	-0.64981	1
WERE	CITY OF WINFIELD	1	14.8	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.0023	-0.64978	1
WERE	CITY OF WINFIELD	T	10.2	-0.65211	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00233	-0.64978	1
WERE	CITY OF WINFIELD	1	14.8		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	
WERE	CITY OF WINFIELD	T	10.2		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00238	-0.64973	
WERE WERE	CITY OF WINFIELD CITY OF WINFIELD	1 T	14.8 10.2		WERE WERE	TECUMSEH ENERGY CENTER UNIT 8 TECUMSEH ENERGY CENTER UNIT 8	1	87.52811 87.52811	-0.00238 -0.00238	-0.64973 -0.64973	
WERE	CITY OF WINFIELD	1	14.8		WERE	WACO	1	17.97	-0.00236	-0.64911	1
WERE	CITY OF WINFIELD	T	10.2		WERE	WACO	1	17.97	-0.003	-0.64911	1
WERE	GETTY	1	35	-0.01653	WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.07491	10
WERE	GETTY	1	35		WERE	CITY OF WELLINGTON	5	20	0.05838	-0.07491	10
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30 30		WERE WERE	CITY OF WELLINGTON CITY OF WELLINGTON	б	19.5	0.05838	-0.0604	
WERE WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	CITY OF WELLINGTON CITY OF WELLINGTON	5	20	0.05838	-0.0604 -0.06253	12
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06253	12
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54		WERE	CITY OF WELLINGTON	5	20	0.05838	-0.06253	12
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54		WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06253	12
WERE	EVANS ENERGY CENTER UNIT 1	1	151		WERE	CITY OF WELLINGTON	6	19.5	0.05838	-0.06254	
WERE WERE	EVANS ENERGY CENTER UNIT 1 EVANS ENERGY CENTER UNIT 2	1	151 23		WERE WERE	CITY OF WELLINGTON CITY OF WELLINGTON	5	20 19.5	0.05838	-0.06254 -0.06254	
WERE	EVANS ENERGY CENTER UNIT 2	1	23			CITY OF WELLINGTON	5	20			
	ETTERO ENERGY OLIVIER ONLY	•				TE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)			0.00000	0.00204	12

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	GILL ENERGY CENTER UNIT 1 1	44 -0.00085 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.05923 12
WERE	GILL ENERGY CENTER UNIT 1 1	44 -0.00085 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.05923 12
WERE	GILL ENERGY CENTER UNIT 2 1	74 -0.00086 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.05924 12
WERE	GILL ENERGY CENTER UNIT 2 1	74 -0.00086 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.05924 12
WERE	GILL ENERGY CENTER UNIT 3 1	12 -0.00237 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06075 12
WERE	GILL ENERGY CENTER UNIT 3 1	12 -0.00237 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06075 12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.00193 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.00193 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.00193 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.00193 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.00193 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.00193 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.00193 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.00193 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 -0.00193 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 -0.00193 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.00193 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.00193 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.00193 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.00193 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	31 -0.00193 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06031 12
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	31 -0.00193 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06031 12
WERE	JEFFREY ENERGY CENTER UNIT 1 1	24 -0.00234 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06072 12
WERE	JEFFREY ENERGY CENTER UNIT 1 1	24 -0.00234 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06072 12
WERE	JEFFREY ENERGY CENTER UNIT 2 1	20 -0.00233 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06071 12
WERE	JEFFREY ENERGY CENTER UNIT 2 1	20 -0.00233 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06071 12
WERE	JEFFREY ENERGY CENTER UNIT 3 1	22 -0.00233 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06071 12
WERE	JEFFREY ENERGY CENTER UNIT 3 1	22 -0.00233 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06071 12
WERE	LAWRENCE ENERGY CENTER UNIT 4 1	19.00001 -0.0023 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06068 12
WERE	LAWRENCE ENERGY CENTER UNIT 4 1	19.00001 -0.0023 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06068 12
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	31.31943 -0.00233 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06071 12
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	31.31943 -0.00233 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06071 12
WERE	NEOSHO ENERGY CENTER UNIT 3 1	47 -0.00164 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06002 12
WERE	NEOSHO ENERGY CENTER UNIT 3 1	47 -0.00164 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06002 12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1	20 -0.00238 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06076 12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1	20 -0.00238 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06076 12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2	21 -0.00238 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06076 12
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2	21 -0.00238 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06076 12
WERE	TECUMSEH ENERGY CENTER UNIT 7 1	15 -0.00238 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06076 12
WERE	TECUMSEH ENERGY CENTER UNIT 7	15 -0.00238 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06076 12
WERE	TECUMSEH ENERGY CENTER UNIT 8 1	18.47189 -0.00238 WERE	CITY OF WELLINGTON	6	19.5 0.05838 -0.06076 12
WERE	TECUMSEH ENERGY CENTER UNIT 8 1	18.47189 -0.00238 WERE	CITY OF WELLINGTON	5	20 0.05838 -0.06076 12
TTEILE	1200molii Liilikoi oliiilikoi iliiili	13.47 108 -0.00230 WERE	OTT OF WELLINGTON	J	20 0.00000 -0.00070 12

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1 CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1 To->From EL PASO - FARBER 138KV CKT 1 57543575531570395704214407SP 6/1/07 - 10/1/07 Upgrade: Limiting Facility: Direction:

Aggregate Relief Amount

Reservation

Line Outage: Flowgate:

Relief Amount

Date Redispatch Needed:

11C3C1ValiO11	Relief Amount	AIIIOUIII									
1032990	0.1	0.2	2								
1032990	0.1	0.2	2								
1032990	0.0	0.2	2								
1034312	0.0	0.2	5								
1004012	0.0	0.2	Maximum		Sink			Maximum			Redispatch
					-						
			Increment(		Control	2		Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.64615	0
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.64615	0
WERE	CITY OF WINFIELD	Т	10.2		WERE	CITY OF WELLINGTON	5	20	0.49088	-0.64615	0
WERE	CITY OF WINFIELD	Ť	10.2	-0.15527		CITY OF WELLINGTON	6	19.5	0.49088		ň
		,					5				0
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	CITY OF WELLINGTON	5	20	0.49088		,
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	CITY OF WELLINGTON	6	19.5	0.49088		0
WERE	GETTY	1	35	0.01111	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.47977	0
WERE	GETTY	1	35	0.01111	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.47977	0
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.0063	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48458	0
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.0063	WERE	CITY OF WELLINGTON	6	19.5	0.49088		0
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.0063	WERE	CITY OF WELLINGTON	6	20	0.49088		0
		4					0				0
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.0063	WERE	CITY OF WELLINGTON	ь	19.5	0.49088		U
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00599	WERE	CITY OF WELLINGTON	6	19.5	0.49088		0
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00599	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48489	0
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00597	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48491	0
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.00597	WERE	CITY OF WELLINGTON	6	19.5	0.49088		0
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22		WERE	CITY OF WELLINGTON	6	19.5	0.49088		0
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22		WERE	CITY OF WELLINGTON	5	20	0.49088		0
		4			WERE		0	19.5	0.49088		0
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	29.05798			CITY OF WELLINGTON	б				0
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	29.05798		WERE	CITY OF WELLINGTON	5	20	0.49088		0
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.0022	WERE	CITY OF WELLINGTON	5	20	0.49088	-0.48868	0
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.0022	WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48868	0
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.00597	WERE	CITY OF WELLINGTON	5	20	0.49088		0
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20		WERE	CITY OF WELLINGTON	6	19.5	0.49088	-0.48491	ň
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21		WERE	CITY OF WELLINGTON	6	19.5	0.49088		0
		2					0				U 0
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21		WERE	CITY OF WELLINGTON	5	20	0.49088		0
WERE	CITY OF WINFIELD	1	15.72598	-0.15527		ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00619		1 1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00619	-0.16146	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00619	-0.16146	1
WERE	CITY OF WINFIELD	Т	10.2	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00619	-0.16146	1
WERE	CITY OF WINFIELD	1	15.72598		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00619		1
WERE	CITY OF WINFIELD	· T	10.72000		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00619		1
		4					1				<del></del>
WERE	CITY OF WINFIELD	1	15.72598	-0.15527		BPU - CITY OF MCPHERSON GAS TURBINE 3	11	26.22998	0.00619		1
WERE	CITY OF WINFIELD	ı	10.2	-0.15527		BPU - CITY OF MCPHERSON GAS TURBINE 3	1	26.22998	0.00619		1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00618		1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00618	-0.16145	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00619	-0.16146	1
WERE	CITY OF WINFIELD	Т	10.2	-0.15527	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00619	-0.16146	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527		CHANUTE GENERATION SUB	14	42.742	0.00239	-0.15766	<u> </u>
WERE	CITY OF WINFIELD	· T	10.72596		WERE	CHANUTE GENERATION SUB	14	42.742	0.00238	-0.15766	<u> </u>
		4	15.72598				14				<del></del>
WERE	CITY OF WINFIELD	<u> </u>			WERE	CITY OF ERIE	Ų.	20	0.00239	-0.15766	<b>└</b>
WERE	CITY OF WINFIELD	I	10.2	-0.15527	WERE	CITY OF ERIE	[1	20	0.00239	-0.15766	1
WERE	CITY OF WINFIELD	1	15.72598		WERE	CLAY CENTER JUNCTION	1	9999	0.00621	-0.16148	1
WERE	CITY OF WINFIELD	Т	10.2	-0.15527	WERE	CLAY CENTER JUNCTION	1	9999	0.00621	-0.16148	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01743	-0.1727	1
WERE	CITY OF WINFIELD	т	10.2		WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01743	-0.1727	1
WERE	CITY OF WINFIELD	1	15.72598		WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01743		1
		+					<del>L'</del>				+
WERE	CITY OF WINFIELD	L.	10.2	-0.15527		EVANS ENERGY CENTER GAS TURBINE 2	17	30	0.01743		1
WERE	CITY OF WINFIELD	1	15.72598		WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01743	-0.1727	1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01743	-0.1727	1
WERE	CITY OF WINFIELD	1	15.72598		WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01736	-0.17263	1
WERE	CITY OF WINFIELD	Т	10.2	-0.15527	WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01736		1
WERE	CITY OF WINFIELD	1	15.72598		WERE	EVANS ENERGY CENTER UNIT 2	1	325	0.01736		<u> </u>
		<u>'</u>					1	325			<del></del>
WERE	CITY OF WINFIELD	!	10.2		WERE	EVANS ENERGY CENTER UNIT 2	<del>Ľ</del>		0.01736		——1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527		GILL ENERGY CENTER UNIT 1	[1	23	0.04824		1
WERE	CITY OF WINFIELD	T	10.2	-0.15527	WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.20351	1
WERE	CITY OF WINFIELD	1	15.72598	-0.15527	WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.20337	1
WERE	CITY OF WINFIELD	Т	10.2	-0.15527		GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.20337	1
WERE	CITY OF WINFIELD	1	15.72598		WERE	GILL ENERGY CENTER UNIT 3	1	88	0.03453	-0.1898	1
	CITY OF WINFIELD	· T					1	88	0.03453	-0.1898	1
WERE	OTT OF WINFIELD	<u> </u>	10.2	-0.15527	WEKE	GILL ENERGY CENTER UNIT 3	11	88	0.03453	-0.1898	1

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	GILL ENERGY CENTER UNIT 4	1	82.99999	0.03007	-0.18534 1
WERE	CITY OF WINFIELD T			7 WERE	GILL ENERGY CENTER UNIT 4	1	82.99999	0.03007	-0.18534 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0063	-0.16157 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0063	-0.16157 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0063	-0.16157 1
WERE	CITY OF WINFIELD		0.2 -0.155	7 WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0063	-0.16157 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.0063	-0.16157 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.0063	-0.16157 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.0063	-0.16157 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.0063	-0.16157 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.0063	-0.16157 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.0063	-0.16157 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.00629	-0.16156 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.00629	-0.16156 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00599	-0.16126 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00599	-0.16126 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00597	-0.16124 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00597	-0.16124 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00597	-0.16124 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00597	-0.16124 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	LAWRENCE ENERGY CENTER UNIT 3	1	30	0.00568	-0.16095 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	LAWRENCE ENERGY CENTER UNIT 3	1	30	0.00568	-0.16095 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00568	-0.16095 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00568	-0.16095 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.942	0.00582	-0.16109 1
WERE	CITY OF WINFIELD T		0.2 -0.155	7 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.942	0.00582	-0.16109 1
WERE	CITY OF WINFIELD 1	15.72	98 -0.155	7 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00598	-0.16125 1
WERE	CITY OF WINFIELD T			7 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00598	-0.16125 1
WERE	CITY OF WINFIELD 1	15.72		7 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00598	-0.16125 1
WERE	CITY OF WINFIELD T			7 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00598	-0.16125 1
WERE	CITY OF WINFIELD 1	15.72		7 WERE	WACO	1	17.96	0.02878	-0.18405 1
WERE	CITY OF WINFIELD T			7 WERE	WACO	1	17.96	0.02878	-0.18405 1
WERE	CLAY CENTER JUNCTION 1			1 WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.04203 4
WERE	CLAY CENTER JUNCTION 1	1 2		1 WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.04189 4
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4			3 WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.04194 4
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1			3 WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.0418 4
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1			3 WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.04194 4
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1		52 0.00	3 WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.0418 4
WERE	JEFFREY ENERGY CENTER UNIT 1			9 WERE	GILL ENERGY CENTER UNIT 1	1	23	0.04824	-0.04225 4
WERE	JEFFREY ENERGY CENTER UNIT 1		24 0.005	9 WERE	GILL ENERGY CENTER UNIT 2	1	52	0.0481	-0.04211 4

WERE JEFFREY ENERGY CENTER UNIT 1 | 1 | 24 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL ENERGY CENTER UNIT | 0 | 0.0039|WERE | DILL EN

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
From->To
GILL ENERGY CENTER WEST - PECK 69KV CKT 1
57543575531577965783011306SH Upgrade: Limiting Facility:

Direction:

Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

Date Redispatch Needed:	6/1/06 - 10/1/06		_								
		Aggregate									
		Relief									
Reservation	Relief Amount	Amount									
103299											
103299											
103372	23 0.	9 3.6	6								
			Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id		GSF	Factor	(MW)
WERE	CITY OF WELLINGTON	5	16		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		0 -	1 4
WERE	CITY OF WELLINGTON	5	16		WERE	CHANUTE GENERATION SUB	14	33.658		0 -	
WERE	CITY OF WELLINGTON	6	19.5		WERE	CHANUTE GENERATION SUB	14	33.658		0 -	1 4
WERE	CITY OF WELLINGTON	5	16		WERE	CITY OF ERIE	1	20		0 -	-
WERE	CITY OF WELLINGTON	6	19.5		WERE	CITY OF ERIE	1	20		0 -	-
WERE	CITY OF WELLINGTON	5	16		WERE	CITY OF WINFIELD	1	24.41401		0 -	
WERE	CITY OF WELLINGTON	6	19.5		WERE	CITY OF WINFIELD	1	24.41401		0 -	1 4
WERE	CITY OF WELLINGTON	5	16		WERE	EVANS ENERGY CENTER UNIT 2	1	305		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5		WERE	EVANS ENERGY CENTER UNIT 2	1	305		0 -	1 4
WERE	CITY OF WELLINGTON	5	16		WERE	GILL ENERGY CENTER UNIT 4	1	77		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5		WERE	GILL ENERGY CENTER UNIT 4	1	77		0 -	1 4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001		0 -	1 4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		0 -	1 4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		0 -	1 4
WERE	CITY OF WELLINGTON	5	16		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		0 -	1 4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60		0 -	1 4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.2985		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.2985		0 -	1 4
WERE	CITY OF WELLINGTON	5	16		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		0 -	1 4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		0 -	1 4
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		0 -	1 4
WERE	CITY OF WELLINGTON	5	16	-1	WERE	WACO	1	17.964		0 -	1 4

WERE CITY OF WELLINGTON 5 10 -1 WERE WACO

WERE CITY OF WELLINGTON 6 19.5 -1 WERE WACO

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

17.964

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1 Limiting Facility: CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1

From->To Direction:

GILL ENERGY CENTER WEST - PECK 69KV CKT 1 Line Outage:

Flowgate: 57543575531577965783011407SH

Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Amount									
1032990			7								
1032993	1.	1 7.7	7								
1032994	2.0	7.7	7								
1033723	1.1	1 7.7	7								
			Maximum		Sink			Maximum			Redispato
			Increment	(	Control			Decrement			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WELLINGTON	5	20	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		0 -1	(
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		0 -1	í T
WERE	CITY OF WELLINGTON	5	20	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		0 -1	i I
WERE	CITY OF WELLINGTON	6	19.5	5 -1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		0 -1	1
WERE	CITY OF WELLINGTON	5	20	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	14.89819	)	0 -1	i I
WERE	CITY OF WELLINGTON	6	19.5	5 -1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	14.89819		0 -1	d -
WERE	CITY OF WELLINGTON	5	20	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		0 -1	í T
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		0 -1	
WERE	CITY OF WELLINGTON	5	20		WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20		0 -1	ı
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20		0 -1	
WERE	CITY OF WELLINGTON	5	20	-1	WERE	CHANUTE GENERATION SUB	14	33.041		0 -1	1
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CHANUTE GENERATION SUB	14	33.041		0 -1	1
WERE	CITY OF WELLINGTON	5	20	-1	WERE	CITY OF ERIE	1	20		0 -1	i I
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF ERIE	1	20		0 -1	1
WERE	CITY OF WELLINGTON	5	20	-1	WERE	CITY OF WINFIELD	1	19.46902	2	0 -1	í
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF WINFIELD	1	19.46902	2	0 -1	í T
WERE	CITY OF WELLINGTON	5	20	-1	WERE	CLAY CENTER JUNCTION	1	9999		0 -1	í T
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CLAY CENTER JUNCTION	1	9999	)	0 -1	í
WERE	CITY OF WELLINGTON	5	20	-1	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25		0 -1	í T
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25		0 -1	i I
WERE	CITY OF WELLINGTON	5	20	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	i i	0 -1	1
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305		0 -1	í T
WERE	CITY OF WELLINGTON	5	20		WERE	GILL ENERGY CENTER UNIT 3	1	78		0 -1	i T
WERE	CITY OF WELLINGTON	6	19.5	5 -1	WERE	GILL ENERGY CENTER UNIT 3	1	78		0 -1	(
WERE	CITY OF WELLINGTON	5	20		WERE	GILL ENERGY CENTER UNIT 4	1	77		0 -1	i T
WERE	CITY OF WELLINGTON	6	19.5	5 -1	WERE	GILL ENERGY CENTER UNIT 4	1	77		0 -1	d -
WERE	CITY OF WELLINGTON	5	20	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120		0 -1	1
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120		0 -1	i I
WERE	CITY OF WELLINGTON	5	20	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		0 -1	i I
WERE	CITY OF WELLINGTON	6	19.5	5 -1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		0 -1	i
WERE	CITY OF WELLINGTON	5	20		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		0 -1	d -
WERE	CITY OF WELLINGTON	6	19.5	5 -1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		0 -1	i I
WERE	CITY OF WELLINGTON	5	20		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		0 -1	1
WERE	CITY OF WELLINGTON	6	19.5		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		0 -1	1
WERE	CITY OF WELLINGTON	5	20		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60		0 -1	1
WERE	CITY OF WELLINGTON	6	19.5		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60		0 -1	1
WERE	CITY OF WELLINGTON	5	20		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.5818	3	0 -1	1
WERE	CITY OF WELLINGTON	6	19.5	5 -1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.5818	3	0 -1	4
WERE	CITY OF WELLINGTON	5	20		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		0 -1	
WERE	CITY OF WELLINGTON	6	19.5		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		0 -1	4
WERE	CITY OF WELLINGTON	5	20		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		0 -1	
WERE	CITY OF WELLINGTON	6	10 5	-1	WERE	TECHMSEH ENERGY CENTER LINIT 8	1	68 00001		0 -1	rT .

WERE

WERE

WACO

19.5

WERE CITY OF WELLINGTON 19.5 -1 WERE WACO Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Aggregate Relief

Factor = Source GSF - Sink GSF

WERE WERE

Redispatch Amount = Relief Amount / Factor

CITY OF WELLINGTON

CITY OF WELLINGTON

TECUMSEH ENERGY CENTER UNIT 8

68.0000

17.94

17.947

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1
GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1
From->To
GILL ENERGY CENTER SOUTH - GILL ENERGY CENTER WEST 138KV CKT 1
GILC 2GSU2421570465704511106FA Upgrade: Limiting Facility: Direction:

Line Outage:

Flowgate:

Date Redispatch Needed: 10/1/06 - 12/1/06

			Aggregate Relief
Reservation	Relief Amount		Amount
1032990		3.0	14.7
1032990		2.7	14.7
1032993		2.1	14.7
1032993		2.2	14.7
1033723		1.6	14.7
1033723		1.5	14.7
1034312		1.5	

103431	12 1.5	14.7									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.88212	17
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	WACO	1	17.957	0.21831	-0.86232	17
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.04351	-0.68752	21
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04276	-0.68677	21
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.65885	22
WERE	GILL ENERGY CENTER UNIT 3	1	12			BPU - CITY OF MCPHERSON GAS TURBINE 2	1	19.26538			22
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.65882	22
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64401	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20			22
WERE	GILL ENERGY CENTER UNIT 3	1	12			HUTCHINSON ENERGY CENTER UNIT 4	1	120		-0.6618	22
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.65392	23
WERE	GILL ENERGY CENTER UNIT 3	1	12			CHANUTE GENERATION SUB	14	26.96	-0.00539	-0.63862	23
WERE	GILL ENERGY CENTER UNIT 3	4	12		WERE	CITY OF ERIE	14	19.971		-0.63862	23
		4				JEFFREY ENERGY CENTER UNIT 1	1				23
WERE	GILL ENERGY CENTER UNIT 3	1	12				1	470	0.00632	-0.65033	
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.65026	23
WERE	GILL ENERGY CENTER UNIT 3	1	12			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.65026	23
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60		-0.64839	23
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	LAWRENCE ENERGY CENTER UNIT 5	11	233.2897	0.0047		23
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.64939	23
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00538	-0.64939	23
WERE	GILL ENERGY CENTER UNIT 1	1	44			GILL ENERGY CENTER UNIT 4	1	77			28
WERE	GILL ENERGY CENTER UNIT 2	1	74	000-0	WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.51834	28
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	WACO	1	17.957	0.21831	-0.49973	29
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	WACO	1	17.957	0.21831	-0.49854	30
WERE	CITY OF WELLINGTON	5	20	-0.15089	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.389	38
WERE	CITY OF WELLINGTON	6	19.5	-0.15089	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.389	38
WERE	CITY OF WELLINGTON	5	20	-0.15089	WERE	WACO	1	17.957	0.21831	-0.3692	40
WERE	CITY OF WELLINGTON	6	19.5	-0.15089	WERE	WACO	1	17.957	0.21831	-0.3692	40
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.04351	-0.32493	45
WERE	GILL ENERGY CENTER UNIT 1	1	44			EVANS ENERGY CENTER UNIT 2	1	305		-0.32418	45
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25		-0.32374	46
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	EVANS ENERGY CENTER UNIT 2	1	305			46
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120			49
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120		-0.29802	49
WERE	CITY OF WINFIELD	1	20.95499	-0.25023	WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.29683	50
WERE	GILL ENERGY CENTER UNIT 1	4	20.95499		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30			50
WERE	GILL ENERGY CENTER UNIT 1	4	44			BPU - CITY OF MCPHERSON GAS TURBINE 1	1	19.26538			50
		1					1				
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.29623	50
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20			50
WERE	GILL ENERGY CENTER UNIT 2	1	74	000-0	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.29507	50
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	11	19.26538			50
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.29504	50
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20			50
WERE	GILL ENERGY CENTER UNIT 1	1	44			ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.29133	51
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.28774	51
WERE	GILL ENERGY CENTER UNIT 1	1	44			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.28767	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00625	-0.28767	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00538	-0.2868	51
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00538	-0.2868	51
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.29014	51
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00632	-0.28655	51
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.28648	51
WERE	GILL ENERGY CENTER UNIT 2	1	74			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.28648	51
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00438	-0.2858	52
WERE	GILL ENERGY CENTER UNIT 1	1	44			LAWRENCE ENERGY CENTER UNIT 5	1	233.2897			52
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	233.2697		-0.28461	52
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.00436		52
		4	74				1	233.2697			52
WERE	GILL ENERGY CENTER UNIT 2	μ	/4	-0.28023	WEKE	TECUMSEH ENERGY CENTER UNIT 7	II.	40	0.00538	-0.28561	5

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00538	-0.28561	52
WERE	CITY OF WINFIELD	1	20.95499	-0.05872	WERE	WACO	1	17.957	0.21831	-0.27703	53
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	CHANUTE GENERATION SUB	14	26.96	-0.00539	-0.27603	53
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.28142	WERE	CITY OF ERIE	1	19.971	-0.00539	-0.27603	53
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	CHANUTE GENERATION SUB	14	26.96	-0.00539	-0.27484	54
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.28023	WERE	CITY OF ERIE	1	19.971	-0.00539	-0.27484	54
WERE	GETTY	1	35	-0.02105	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.25916	57
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00452	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.24263	61
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	0.00438	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23373	63
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	35.71027	0.0047	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23341	63
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.00539	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23272	63
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.00538	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23273	63
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00632	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23179	64
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.00625	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.23186	64
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.01484	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22327	66
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22028	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22028	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22028	67
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.01783	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22028	67
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.01786	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22025	67
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.01779	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.22032	67
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.04276	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.19535	75
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.04351	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.1946	76
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.04351	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23811	-0.1946	76

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1 Upgrade: Limiting Facility: GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1

> Aggregate Relief

Amount

From->To Direction:

Reservation

GILL ENERGY CENTER SOUTH - GILL ENERGY CENTER WEST 138KV CKT 1 Line Outage:

GILC3GSU2421570465704511106SH Flowgate:

Relief Amount

Date Redispatch Needed: 6/1/06 - 10/1/06

1032990											
1032993											
1033723	3 1.6	7.9									
1034312		7.9	<u>)</u>								
1034394	4 0.2	7.9	)								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	GILL ENERGY CENTER UNIT 3	1	12			GILL ENERGY CENTER UNIT 4	1	77		-0.88213	9
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	WACO	1	17.964	0.21828	-0.86233	9
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.65396	12
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	CHANUTE GENERATION SUB	14	33.658	-0.00542	-0.63863	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	CITY OF ERIE	1	20	-0.00542	-0.63863	12
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04273	-0.68678	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.01776	-0.66181	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0063	-0.65035	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00623	-0.65028	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00623	-0.65028	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00435	-0.6484	12
WERE	GILL ENERGY CENTER UNIT 3	1	12	-0.64405	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.00468	-0.64873	12
WERE	GILL ENERGY CENTER UNIT 3	1	12			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00536	-0.64941	12
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00536	-0.64941	12
WERE	GILL ENERGY CENTER UNIT 3	1	12			CITY OF WINFIELD	1	24.41401	-0.05876	-0.58529	
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.51953	15
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.51835	15
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	WACO	li i	17.964	0.21828	-0.49973	16
WERE	GILL ENERGY CENTER UNIT 2	1	74			WACO	1	17.964	0.21828	-0.49855	16
WERE	CITY OF WELLINGTON	5	16		WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.389	
WERE	CITY OF WELLINGTON	6	19.5		WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.389	20
WERE	CITY OF WELLINGTON	5	16		WERE	WACO	1	17.964	0.21828	-0.3692	22
WERE	CITY OF WELLINGTON	6	19.5		WERE	WACO	1	17.964	0.21828	-0.3692	22
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04273	-0.32418	24
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.04273	-0.323	25
WERE	CITY OF WINFIELD	T	10.2			GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.29684	
WERE	GILL ENERGY CENTER UNIT 1	1	44			ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.29136	27
WERE	GILL ENERGY CENTER UNIT 1	1	44			HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.00991	-0.29130	27
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00991	-0.29018	27
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.00991	-0.29803	27
WERE	GILL ENERGY CENTER UNIT 1	1	44			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.28775	28
WERE	GILL ENERGY CENTER UNIT 1	1	44			JEFFREY ENERGY CENTER UNIT 2	1	470	0.00623	-0.28768	28
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00623	-0.28768	28
WERE	GILL ENERGY CENTER UNIT 1	1	44			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00023	-0.2858	28
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.00433	-0.28613	28
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	231.3903	0.00536	-0.28681	28
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	TECUMSEH ENERGY CENTER UNIT 8		68.00001	0.00536	-0.28681	28
WERE	GILL ENERGY CENTER UNIT 1	1	74		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00536	-0.28657	28
		1					1				
WERE WERE	GILL ENERGY CENTER UNIT 2 GILL ENERGY CENTER UNIT 2	1	74 74		WERE	JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	1	470 470	0.00623	-0.2865 -0.2865	28 5 28
		1					<u> </u>				
WERE	GILL ENERGY CENTER UNIT 2	4	74		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00435	-0.28462	28
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.00468	-0.28495	28
WERE	GILL ENERGY CENTER UNIT 2	4	74		WERE	TECUMSEH ENERGY CENTER UNIT 7	1		0.00536	-0.28563	28
WERE	GILL ENERGY CENTER UNIT 2  CITY OF WINFIELD	T	74		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00536	-0.28563	28
WERE		1	10.2		WERE	WACO	14	17.964	0.21828	-0.27704	
WERE	GILL ENERGY CENTER UNIT 1	4	44		WERE	CHANUTE GENERATION SUB	14	33.658	-0.00542	-0.27603	29
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	CITY OF ERIE	144	20	-0.00542	-0.27603	29
WERE	GILL ENERGY CENTER UNIT 2	4	74		WERE	CHANUTE GENERATION SUB	14	33.658	-0.00542	-0.27485	29
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	CITY OF ERIE	1	20		-0.27485	29
WERE	GETTY	1	35		WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.25916	31
WERE	GETTY	1	35		WERE	WACO	1	17.964	0.21828	-0.23936	33
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.24264	33
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24		WERE	GILL ENERGY CENTER UNIT 4	1	77	0.23808	-0.23178	
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20		WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.23185	34
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22		WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.23185	34
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.23373	34
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	0.00435	WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.23373	34
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345		WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.2334	
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20			GILL ENERGY CENTER UNIT 4  ATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)	1	77	0.23808	-0.23271	34

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WEDE	TEOUROEU ENEDOV OENTED OAG TUDDINES : 5 5 15		0.0050314/555	TOUL ENERGY OF LITTER LINES A		
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2	21		GILL ENERGY CENTER UNIT 4		77 0.23808 -0.23271 34
WERE	TECUMSEH ENERGY CENTER UNIT 7 1	15	0.00536 WERE	GILL ENERGY CENTER UNIT 4	[1	77 0.23808 -0.23272 34
WERE	TECUMSEH ENERGY CENTER UNIT 8 1	37.99999		GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.23272 34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	51	0.01482 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22326 36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	0.01482 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22326 36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	0.01482 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22326 36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	0.01479 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22329 36
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	0.01482 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22326 36
WERE	GILL ENERGY CENTER UNIT 1 1	44	-0.28145 WERE	CITY OF WINFIELD	1	24.41401 -0.05876 -0.22269 36
WERE	GILL ENERGY CENTER UNIT 2 1	74	-0.28027 WERE	CITY OF WINFIELD	1	24.41401 -0.05876 -0.22151 36
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	0.0178 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22028 36
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52		GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22028 36
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	0.0178 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22028 36
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52		GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22028 36
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	0.01783 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22025 36
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	0.01783 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22025 36
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	0.01783 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22025 36
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	42.7534	0.01776 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.23808 -0.22032 36
WERE	NEOSHO ENERGY CENTER UNIT 3 1	67	-0.00456 WERE	WACO	1	17.964 0.21828 -0.22284 36
WERE	JEFFREY ENERGY CENTER UNIT 1 1	24		WACO	1	17.964 0.21828 -0.21198 37
WERE	JEFFREY ENERGY CENTER UNIT 2 1	20	0.00623 WERE	WACO	1	17.964 0.21828 -0.21205 37
WERE	JEFFREY ENERGY CENTER UNIT 3 1	22	0.00623 WERE	WACO	1	17.964 0.21828 -0.21205 37
WERE	LAWRENCE ENERGY CENTER UNIT 3 1	59	0.00435 WERE	WACO	1	17.964 0.21828 -0.21393 37
WERE	LAWRENCE ENERGY CENTER UNIT 4 1	19.00001	0.00435 WERE	WACO	1	17.964 0.21828 -0.21393 37
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345		WACO	1	17.964 0.21828 -0.2136 37
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1	20	0.00537 WERE	WACO	1	17.964 0.21828 -0.21291 37
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2	21	0.00537 WERE	WACO	1	17.964 0.21828 -0.21291 37
WERE	TECUMSEH ENERGY CENTER UNIT 7 1	15	0.00536 WERE	WACO	1	17.964 0.21828 -0.21292 37
WERE	TECUMSEH ENERGY CENTER UNIT 8 1	37.99999	0.00536 WERE	WACO	1	17.964 0.21828 -0.21292 37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	51	0.01482 WERE	WACO	1	17.964 0.21828 -0.20346 39
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	0.01482 WERE	WACO	1	17.964 0.21828 -0.20346 39
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	0.01482 WERE	WACO	1	17.964 0.21828 -0.20346 39
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	0.01479 WERE	WACO	1	17.964 0.21828 -0.20349 39
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	0.01482 WERE	WACO	1	17.964 0.21828 -0.20346 39
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78		WACO	1	17.964 0.21828 -0.20048 40
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	0.0178 WERE	WACO	1	17.964 0.21828 -0.20048 40
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	0.0178 WERE	WACO	1	17.964 0.21828 -0.20048 40
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	0.0178 WERE	WACO	1	17.964 0.21828 -0.20048 40
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	0.01783 WERE	WACO	1	17.964 0.21828 -0.20045 40
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18		WACO	1	17.964 0.21828 -0.20045 40
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31		WACO	1	17.964 0.21828 -0.20045 40
	d Maximum Ingrament ware determine from the Cause and Cink Operat					

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1 GILL ENERGY CENTER EAST (GEC3 GSU) 138/69/14.4KV TRANSFORMER CKT 1 From->To GILL ENERGY CENTER SOUTH (GILL 5X) 138/69/13.2KV TRANSFORMER CKT 1 GILC3GSU2421GILLLL5X4211306SP Upgrade: Limiting Facility:

Direction:

Reservation

Line Outage:

Aggregate Relief

Amount

Flowgate:

Relief Amount

Date Redispatch Needed: 6/1/06 - 10/1/06

100000	13 1	7 4.4	4								
103299											
103372											
103431	1.	1 4.4	·								
			Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
	GILL ENERGY CENTER UNIT 3	Jource Iu			WERE	GILL ENERGY CENTER UNIT 4	JIIK IU				(10100)
WERE		1	1:				1	77	0.11414		
WERE	GILL ENERGY CENTER UNIT 3	1	1:	0.77.10	WERE	WACO	1	17.97	0.10347	-0.8746	
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00428	-0.77541	
WERE	GILL ENERGY CENTER UNIT 3	1	1:	2 -0.77113	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00662	-0.77775	5
WERE	GILL ENERGY CENTER UNIT 3	1	13	2 -0.77113	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00662	-0.77775	i l
WERE	GILL ENERGY CENTER UNIT 3	1	1:	2 -0.77113	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.0066	-0.77773	1
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00662	-0.77775	
WERE	GILL ENERGY CENTER UNIT 3	4	1:		WERE	CHANUTE GENERATION SUB	14	42.755	-0.00118	-0.76995	-
		!					14				
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	CITY OF ERIE	1	20	-0.00118	-0.76995	
WERE	GILL ENERGY CENTER UNIT 3	1	1:			CITY OF WINFIELD	1	26.6	-0.04436	-0.72677	
WERE	GILL ENERGY CENTER UNIT 3	1	13	2 -0.77113	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.00922	-0.78035	i l
WERE	GILL ENERGY CENTER UNIT 3	1	1:	2 -0.77113	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.00922	-0.78035	5
WERE	GILL ENERGY CENTER UNIT 3	1	1:	2 -0.77113	WERE	EVANS ENERGY CENTER UNIT 1	1	70.8677	0.00893	-0.78006	i
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00893	-0.78006	
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00893	-0.77915	
		1					1				
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00266	-0.77379	!
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00263	-0.77376	il .
WERE	GILL ENERGY CENTER UNIT 3	1	13		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00263	-0.77376	i
WERE	GILL ENERGY CENTER UNIT 3	1	1:	2 -0.77113	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.0019	-0.77303	
WERE	GILL ENERGY CENTER UNIT 3	1	13	2 -0.77113	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0019	-0.77303	1
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.6747	0.00199	-0.77312	
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00224	-0.77337	
		<u>'</u>									
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00224	-0.77337	
WERE	GILL ENERGY CENTER UNIT 1	1	4		WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.53316	5
WERE	GILL ENERGY CENTER UNIT 1	1	44	4 -0.41902	WERE	WACO	1	17.97	0.10347	-0.52249	
WERE	GILL ENERGY CENTER UNIT 2	1	29	9 -0.41801	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.53215	i
WERE	GILL ENERGY CENTER UNIT 2	1	29	9 -0.41801	WERE	WACO	1	17.97	0.10347	-0.52148	1
WERE	GILL ENERGY CENTER UNIT 3	1	1:		WERE	CITY OF WELLINGTON	5	20	-0.19915	-0.57198	
WERE	GILL ENERGY CENTER UNIT 3	4	1:			CITY OF WELLINGTON	6	11.50201	-0.19915		
		!					0				
WERE	GILL ENERGY CENTER UNIT 1	1	4		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00428	-0.4233	1
WERE	GILL ENERGY CENTER UNIT 1	1	4		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00662	-0.42564	
WERE	GILL ENERGY CENTER UNIT 1	1	4	4 -0.41902	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00662	-0.42564	1
WERE	GILL ENERGY CENTER UNIT 1	1	4	4 -0.41902	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.0066	-0.42562	2 1
WERE	GILL ENERGY CENTER UNIT 1	1	4	4 -0.41902	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00662	-0.42564	1
WERE	GILL ENERGY CENTER UNIT 1	1	4		WERE	CHANUTE GENERATION SUB	14	42.755	-0.00118		
WERE	GILL ENERGY CENTER UNIT 1	1	4		WERE	CITY OF ERIE	1	20	-0.00118	-0.41784	
		1	4						0.00922		
WERE	GILL ENERGY CENTER UNIT 1	1			WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25		-0.42824	
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.00922	-0.42824	1
WERE	GILL ENERGY CENTER UNIT 1	1	4			EVANS ENERGY CENTER UNIT 1	1	70.8677	0.00893	-0.42795	
WERE	GILL ENERGY CENTER UNIT 1	1	44	4 -0.41902	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00893	-0.42795	1
WERE	GILL ENERGY CENTER UNIT 1	1	4	4 -0.41902	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00802	-0.42704	1
WERE	GILL ENERGY CENTER UNIT 1	1	4		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00266	-0.42168	
WERE	GILL ENERGY CENTER UNIT 1	1	4		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00263	-0.42165	
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	JEFFREY ENERGY CENTER UNIT 3	+-	470	0.00263	-0.42165	
		1					1				
WERE	GILL ENERGY CENTER UNIT 1	[1	4		WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.0019	-0.42092	1
WERE	GILL ENERGY CENTER UNIT 1	1	4			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0019	-0.42092	1
WERE	GILL ENERGY CENTER UNIT 1	1	44	4 -0.41902	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.6747	0.00199	-0.42101	1
WERE	GILL ENERGY CENTER UNIT 1	1	44	4 -0.41902	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00224	-0.42126	1
WERE	GILL ENERGY CENTER UNIT 1	1	4			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00224	-0.42126	
WERE	GILL ENERGY CENTER UNIT 2	1	29		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00224	-0.42229	
WERE	GILL ENERGY CENTER UNIT 2  GILL ENERGY CENTER UNIT 2	1	29		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00428	-0.42229	1
		1					1				
WERE	GILL ENERGY CENTER UNIT 2	1!	25		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00662	-0.42463	1
WERE	GILL ENERGY CENTER UNIT 2	1	29		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.0066	-0.42461	1
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00662	-0.42463	1
WERE	GILL ENERGY CENTER UNIT 2	1	29	9 -0.41801	WERE	CHANUTE GENERATION SUB	14	42.755	-0.00118	-0.41683	1
WERE	GILL ENERGY CENTER UNIT 2	1	29			CITY OF ERIE	1	20	-0.00118		1
WERE	GILL ENERGY CENTER UNIT 2	1	2			EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.00922	-0.42723	1
**		1:				EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.00922	-0.42723	
WEDE	CILL ENERGY CENTER LINIT 2										1
WERE	GILL ENERGY CENTER UNIT 2	1	25								
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.41801	WERE	EVANS ENERGY CENTER UNIT 1	1	70.8677	0.00893	-0.42694	1
		1 1		9 -0.41801 9 -0.41801	WERE WERE		1				1

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00266	-0.42067
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00263	-0.42064
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00263	-0.42064
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.0019	-0.41991
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0019	-0.41991
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.6747	0.00199	-0.42
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00224	-0.42025
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00224	-0.42025
WERE	GILL ENERGY CENTER UNIT 1 1	1	44	-0.41902	WERE	CITY OF WINFIELD	1	26.6	-0.04436	-0.37466
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	CITY OF WINFIELD	1	26.6	-0.04436	-0.37365
WERE	GILL ENERGY CENTER UNIT 3 1	1	12	-0.77113	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.41801	-0.35312
WERE	GILL ENERGY CENTER UNIT 1 1	1	44	-0.41902	WERE	CITY OF WELLINGTON	6	11.50201	-0.19915	-0.21987
WERE	GILL ENERGY CENTER UNIT 1 1	1	44	-0.41902	WERE	CITY OF WELLINGTON	5	20	-0.19915	-0.21987
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	CITY OF WELLINGTON	5	20	-0.19915	-0.21886
WERE	GILL ENERGY CENTER UNIT 2 1	1	29	-0.41801	WERE	CITY OF WELLINGTON	6	11.50201	-0.19915	-0.21886
WERE	CITY OF WINFIELD T	Г	10.2	-0.04436	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1585
WERE	CITY OF WINFIELD T	Г	10.2	-0.04436	WERE	WACO	1	17.97	0.10347	-0.14783
WERE	GETTY 1	1	35	-0.00552	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11966
WERE	NEOSHO ENERGY CENTER UNIT 3 1	1	47	-0.00093	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11507
WERE	JEFFREY ENERGY CENTER UNIT 1 1	1	24	0.00266	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11148
WERE	JEFFREY ENERGY CENTER UNIT 2 1	1	20	0.00263	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11151
WERE	JEFFREY ENERGY CENTER UNIT 3 1	1	22	0.00263	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11151
WERE	LAWRENCE ENERGY CENTER UNIT 4 1	1 1	19.00001	0.0019	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11224
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	1 3	39.32532	0.00199		GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11215
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1	1	20	0.00225	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11189
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2	2	21	0.00225	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.11189
WERE	TECUMSEH ENERGY CENTER UNIT 7 1	1	15	0.00224	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1119
WERE	TECUMSEH ENERGY CENTER UNIT 8 1	1	18	0.00224		GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1119
WERE	GETTY 1	1	35	-0.00552		WACO	1	17.97	0.10347	-0.10899
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	1	30	0.00662	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10752
WERE	EVANS ENERGY CENTER UNIT 1 1	1	50.1323	0.00893		GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10521
WERE	EVANS ENERGY CENTER UNIT 2 1	1	23	0.00893	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10521
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1		78	0.00804	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1061
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1		52	0.00804		GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1061
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1		50	0.00804	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1061
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1		52	0.00804		GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.1061
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	1	18	0.00806	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10608
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	1	18	0.00806	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10608
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	1	31	0.00806		GILL ENERGY CENTER UNIT 4	1	77	0.11414	-0.10608
Mandanian Danasana and an	d Maying up Ingramant ware determine from the Cause and Cink	On a setting a Delin	4- 1- 414							

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

GILL ENERGY CENTER WEST - PECK 69KV
GILL ENERGY CENTER WEST - PECK 69KV CKT 1
From->To
EL PASO - FARBER 138KV CKT 1
57796578301577395704214406FA Upgrade: Limiting Facility:

Direction:

Reservation

Line Outage: Flowgate:

Relief Amount

Date Redispatch Needed: 10/1/06 - 12/1/06

> 1032990 1032990

1032990											
1032990 1032990											
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1034312	2 0.	0.0	)								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WELLINGTON	5	16			ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.49487	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.49487	0
WERE	CITY OF WELLINGTON	5	16			BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.49484	
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.49484	0
WERE	CITY OF WELLINGTON	5	16		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30		-0.49484	0
WERE	CITY OF WELLINGTON	6	19.5		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30		-0.49484	0
WERE	CITY OF WELLINGTON	5	16		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.49483	0
WERE WERE	CITY OF WELLINGTON CITY OF WELLINGTON	5	19.5	-0.48878 -0.48878		BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON STEAM PLANT	1	55 20		-0.49483 -0.49484	0
WERE	CITY OF WELLINGTON  CITY OF WELLINGTON	<u>ی</u>	19.5	-0.48878 -0.48878		BPU - CITY OF MCPHERSON STEAM PLANT BPU - CITY OF MCPHERSON STEAM PLANT	1	20		-0.49484	0
WERE	CITY OF WELLINGTON	5	19.5	-0.48878		CHANUTE GENERATION SUB	14	26.96		-0.49464	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		CHANUTE GENERATION SUB	14	26.96		-0.49132	0
WERE	CITY OF WELLINGTON	5	19.5	-0.48878		CITY OF ERIE	1	19.971	0.00254	-0.49132	0
WERE	CITY OF WELLINGTON	6	19.5		WERE	CITY OF ERIE	1	19.971	0.00254	-0.49132	0
WERE	CITY OF WELLINGTON	5	16	-0.48878		EVANS ENERGY CENTER GAS TURBINE 2	1	25		-0.50574	0
WERE	CITY OF WELLINGTON	6	19.5		WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25		-0.50574	0
WERE	CITY OF WELLINGTON	5	16	-0.48878		EVANS ENERGY CENTER UNIT 2	1	305		-0.50567	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		EVANS ENERGY CENTER UNIT 2	1	305		-0.50567	0
WERE	CITY OF WELLINGTON	5	16	-0.48878		GILL ENERGY CENTER UNIT 3	1	78		-0.52221	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.52221	0
WERE	CITY OF WELLINGTON	5	16	-0.48878	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.02913	-0.51791	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.02913	-0.51791	0
WERE	CITY OF WELLINGTON	5	16	-0.48878		HUTCHINSON ENERGY CENTER UNIT 4	1	120		-0.49493	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		HUTCHINSON ENERGY CENTER UNIT 4	1	120		-0.49493	0
WERE	CITY OF WELLINGTON	5	16	-0.48878		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.49471	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.49471	0
WERE	CITY OF WELLINGTON	5	16	-0.48878		JEFFREY ENERGY CENTER UNIT 2	1	470		-0.49468	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		JEFFREY ENERGY CENTER UNIT 2	1	470		-0.49468	0
WERE	CITY OF WELLINGTON	5	16	-0.48878		JEFFREY ENERGY CENTER UNIT 3	1	470		-0.49468	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		JEFFREY ENERGY CENTER UNIT 3	1	470		-0.49468	0
WERE	CITY OF WELLINGTON	5	10	-0.48878		LAWRENCE ENERGY CENTER UNIT 4	1 4	60		-0.49442	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		LAWRENCE ENERGY CENTER UNIT 4	1	333,600		-0.49442	0
WERE WERE	CITY OF WELLINGTON CITY OF WELLINGTON	6	16 19.5	-0.48878 -0.48878		LAWRENCE ENERGY CENTER UNIT 5 LAWRENCE ENERGY CENTER UNIT 5	1	232.6008		-0.49455 -0.49455	0
WERE	CITY OF WELLINGTON  CITY OF WELLINGTON	5	19.5	-0.48878		TECUMSEH ENERGY CENTER UNIT 7	1 1	232.6008		-0.49455	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		TECUMSEH ENERGY CENTER UNIT 7	<del>-  </del> -	40		-0.4947	1 0
WERE	CITY OF WELLINGTON	5	18.0	-0.48878	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548		-0.4947	1 0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		TECUMSEH ENERGY CENTER UNIT 8	1	86.4548		-0.4947	1 0
WERE	CITY OF WELLINGTON	5	16.5		WERE	WACO	1	17.957	0.00392	-0.51668	0
WERE	CITY OF WELLINGTON	6	19.5	-0.48878		WACO	1	17.957	0.0279	-0.51668	1 0
WERE	CITY OF WINFIELD	11	26.6	-0.14875		ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.15484	i o
WERE	CITY OF WINFIELD	Т	10.2	-0.14875		ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.15484	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.15481	0
WERE	CITY OF WINFIELD	Т	10.2	-0.14875		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.15481	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875		BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30		-0.15481	0
WERE	CITY OF WINFIELD	T	10.2	-0.14875		BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30		-0.15481	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00605	-0.1548	0
WERE	CITY OF WINFIELD	Т	10.2	-0.14875	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00605	-0.1548	0
WERE	CITY OF WINFIELD	1	26.6	-0.14875		BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00606	-0.15481	0
WERE	CITY OF WINFIELD	IT	10.2	-0.14875	WEDE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00606	-0.15481	0

Aggregate Relief

Amount

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WEDE	OITY OF MINEIELD	14	00.0	0.44075	WEDE	CHANILITE CENEDATION CHD	14.4	00.00	0.00054	0.45400
WERE	CITY OF WINFIELD	T	26.6	-0.14875		CHANUTE GENERATION SUB	14	26.96	0.00254	-0.15129 0
WERE	CITY OF WINFIELD	!	10.2	-0.14875		CHANUTE GENERATION SUB	14	26.96	0.00254	
WERE	CITY OF WINFIELD	1	26.6	-0.14875		CITY OF ERIE	1	19.971	0.00254	-0.15129 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875		CITY OF ERIE	1	19.971	0.00254	-0.15129 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875		EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01696	-0.16571 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01696	-0.16571 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01689	-0.16564 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01689	-0.16564 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.18218 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.18218 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.02913	-0.17788 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.02913	-0.17788 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00615	-0.1549 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00615	-0.1549 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00593	-0.15468 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00593	-0.15468 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0059	-0.15465 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0059	-0.15465 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0059	-0.15465 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0059	-0.15465 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00564	-0.15439 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00564	-0.15439 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6008	0.00577	-0.15452 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6008	0.00577	-0.15452 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00592	-0.15467 0
WERE	CITY OF WINFIELD	Т	10.2	-0.14875	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00592	-0.15467 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875		TECUMSEH ENERGY CENTER UNIT 8	1	86,4548	0.00592	-0.15467 0
WERE	CITY OF WINFIELD	T	10.2	-0.14875		TECUMSEH ENERGY CENTER UNIT 8	1	86,4548	0.00592	-0.15467 0
WERE	CITY OF WINFIELD	1	26.6	-0.14875		WACO	1	17.957	0.0279	-0.17665 0
WERE	CITY OF WINFIELD	Т	10.2	-0.14875		WACO	1	17.957	0.0279	
WERE	CHANUTE GENERATION SUB	14	15.84	0.00254		GILL ENERGY CENTER UNIT 3	1	78	0.03343	-0.03089 1
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00235		GILL ENERGY CENTER UNIT 3	1	78	0.03343	
	1					1				

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: GILL ENERGY CENTER WEST - PECK 69KV GILL ENERGY CENTER WEST - PECK 69KV CKT 1
From->To
CRESWELL - SUMNER COUNTY NO. 4 ROME 69KV CKT 1
57796578301575435755311206SH

Direction:

Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief	
Reservation		Amount	
1032990	1.5	3.0	J
1032990	1.5	3.0	J
1032993	0.7	3.0	J
1032993	0.7	3.0	J
1033723	0.7	3.0	J
1033723	0.7	3.0	j
·			T

1033	723	0.7 3.0	)								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement			Amount
Source Control Area	Source	Source Id	MW) G	SSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WELLINGTON	5	16		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-1	1 3
WERE	CITY OF WELLINGTON	6	19.5		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	<u> </u>	-1	1 3
WERE	CITY OF WELLINGTON	5	16		WERE	CHANUTE GENERATION SUB	14	33.658		-1	1 3
WERE	CITY OF WELLINGTON	6	19.5		WERE	CHANUTE GENERATION SUB	14	33.658	3	-1	1 3
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CITY OF ERIE	1	20	) (	-1	1 3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF ERIE	1	20	) (	-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	CITY OF WINFIELD	1	24.41401	(	-1	1 :
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	CITY OF WINFIELD	1	24.41401	1 (	-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305		-1	1 :
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	EVANS ENERGY CENTER UNIT 2	1	305	5 (	-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	GILL ENERGY CENTER UNIT 3	1	26.07373	3 (	-1	1 :
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	GILL ENERGY CENTER UNIT 3	1	26.07373	3 (	-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	′ (	-1	1 :
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	GILL ENERGY CENTER UNIT 4	1	77	′ (	-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	(	-1	1 (
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	1 (	-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-1	1 :
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-1	1 :
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	) (	-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	) (	-1	1 :
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	) (	-1	1 (
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	) (	-1	1 (
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	) (	-1	1 :
WERE	CITY OF WELLINGTON	5	16	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.3939	9 (	-1	1 3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.3939	9 (	-1	1 :
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	) (	-1	1 3
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	) (	-1	1 :
WERE	CITY OF WELLINGTON	5	16	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	(	-1	1 (
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	(	-1	1 :
WERE	CITY OF WELLINGTON	5	16	-1	WERE	WACO	1	17.964	1 (	-1	1 :
WERE	CITY OF WELLINGTON	6	19.5	-1	WERE	WACO	1	17.964	1 (	-1	1 :

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Upgrade: Limiting Facility: Direction: HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1

HOLCOMB - PLYMELL - PIONEER TAP HOLCOMB - PLYMELL 115KV CKT 1 From->To FLETCHER - HOLCOMB 115KV CKT 1 56448563931564205644812106SH Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief	3
Reservation	Relief Amount	Amount	
1034407	0.9		2.7
1034420	0.8		2.7
1034424	0.9		2.7

			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36557	WEPL	A. M. MULLERGREN GENERATOR	3	63	0.00329	-0.36886	7
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36557	WEPL	A. M. MULLERGREN GENERATOR	3	63	0.00329	-0.36886	7
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36557	WEPL	CLIFTON GENERATOR	1	16.74585	0.00184	-0.36741	7
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36557	WEPL	CLIFTON GENERATOR	1	16.74585	0.00184	-0.36741	7
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	-0.36557	WEPL	JUDSON LARGE GENERATOR	4	108.8452	-0.07875	-0.28682	9
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36557	WEPL	JUDSON LARGE GENERATOR	4	108.8452	-0.07875	-0.28682	9

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Upgrade: Limiting Facility: Direction:

HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1 HOLCOMB - PLYMELL 115KV CKT 1 From->To FLETCHER - HOLCOMB 115KV CKT 1 56448563931564205644812106SP Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief
Reservation	Relief Amount	Amount
1034407	1.1	3.1
1034420	0.0	3.1
1034424	1.1	3.1

			Maximum		Sink			Maximum		l	Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CIMARRON RIVER PLANT GENERATOR	1	32.0448	-0.36634	WEPL	A. M. MULLERGREN GENERATOR	3	63	0.0032	-0.36954	8
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36634	WEPL	A. M. MULLERGREN GENERATOR	3	63	0.0032	-0.36954	8
WEPL	CIMARRON RIVER PLANT GENERATOR	1	32.0448	-0.36634	WEPL	CLIFTON GENERATOR	1	65	0.0018	-0.36814	8
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36634	WEPL	CLIFTON GENERATOR	1	65	0.0018	-0.36814	8
WEPL	CIMARRON RIVER PLANT GENERATOR	1	32.0448	-0.36634	WEPL	JUDSON LARGE GENERATOR	4	110.0329	-0.07904	-0.2873	11
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36634	WEPL	JUDSON LARGE GENERATOR	4	110.0329	-0.07904	-0.2873	11

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1 Upgrade:

CIMARRON RIVER PLANT GENERATOR

Limiting Facility: HOLCOMB - PLYMELL 115KV CKT 1

From->To Direction:

FLETCHER - HOLCOMB 115KV CKT 1 Line Outage: 56448563931564205644812107SH Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

		Aggregate Relief									
Reservation	Relief Amount	Amount									
1034407	0.8	2.4									
1034420	0.7	2.4									
1034424	8.0	2.4									
			Maximum		Sink			Maximum		[	R
			Increment(		Control			Decrement(		1 1	A
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(۱
	CIMARRON RIVER PLANT GENERATOR	1	58			A. M. MULLERGREN GENERATOR	3	63	0.00404	-0.37009	
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36605	WEPL	A. M. MULLERGREN GENERATOR	3	63	0.00404	-0.37009	

CLIFTON GENERATOR

JUDSON LARGE GENERATOR

WEPL CIMARRON RIVER PLANT GENERATOR 2 144 -0.36605 WEPL CLIFTON GENERATOR
WEPL CIMARRON RIVER PLANT GENERATOR 1 58 -0.36605 WEPL JUDSON LARGE GENERATOR
WEPL CIMARRON RIVER PLANT GENERATOR 2 144 -0.36605 WEPL JUDSON LARGE GENERATOR
WEPL CIMARRON RIVER PLANT GENERATOR 2 1 3.6605 WEPL JUDSON LARGE GENERATOR
Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. 14 -0.36605 WEPL JUDSON LARGE GENERATOR

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Redispatch Amount (MW)

-0.36794

-0.36794

-0.28697

0.00189

-0.07908

107.0685 -0.07908 -0.28697

18.84103

107.0685

HOLCOMB - PLYMELL - PIONEER TAP 115KV CKT 1 Upgrade:

Limiting Facility: HOLCOMB - PLYMELL 115KV CKT 1

From->To Direction:

FLETCHER - HOLCOMB 115KV CKT 1 Line Outage: 56448563931564205644814107SP Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

		Aggregate Relief									
Reservation	Relief Amount	Amount									
1034407	1.2	3.4									
1034420	1.0	3.4									
1034424	1.2	3.4									
			Maximum		Sink			Maximum			Redispatch
			Increment	(	Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CIMARRON RIVER PLANT GENERATOR	1	33	-0.36687	WEPL	A. M. MULLERGREN GENERATOR	3	63	0.00395	-0.37082	
WEPL	CIMARRON RIVER PLANT GENERATOR	2	14	-0.36687	WEPL	A. M. MULLERGREN GENERATOR	3	63	0.00395	-0.37082	
WEDI	CIMADDON DIVED DI ANT CENEDATOD	1	22	0 26607	WED!	CLIETON CENERATOR	1	EE E7740	0.00106	0.26072	

JUDSON LARGE GENERATOR

14 -0.36687 WEPL JUDSON LARGE GENERATOR

55.57748 0.00186 -0.36873

105.7208 -0.07938 -0.28749

-0.28749

105.7208 -0.07938

WEPL CIMARRON RIVER PLANT GENERATOR 1 33 -0.36687 WEPL CLIFTON GENERATOR
WEPL CIMARRON RIVER PLANT GENERATOR 2 14 -0.36687 WEPL CLIFTON GENERATOR
WEPL CIMARRON RIVER PLANT GENERATOR 1 33 -0.36687 WEPL JUDSON LARGE GENERATOR
WEPL CIMARRON RIVER PLANT GENERATOR 1 33 -0.36687 WEPL JUDSON LARGE GENERATOR
WEPL CIMARRON RIVER PLANT GENERATOR 2 14 -0.36687 WEPL JUDSON LARGE GENERATOR
Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1 Limiting Facility: HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1

To->From Direction:

Line Outage: TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1

LAWRENCE ENERGY CENTER UNIT 5

TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2

TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2

NEOSHO ENERGY CENTER UNIT 3

NEOSHO ENERGY CENTER UNIT 3

Flowgate: 57192571801571805718214106SP

Date Redispatch Needed: 6/1/06 - 10/1/06

		Relief									
Reservation	Relief Amount	Amount									
1034363	10.										
1034394	1.0										
1034628	1.	7 13.2									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement			Amount
Source Control Area	Source	Source Id	MW)		Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89412	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			TECUMSEH ENERGY CENTER UNIT 8	1	103		-0.89412	
WERE	CITY OF WINFIELD	1	14.8	0.00032		TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89539	
WERE	CITY OF WINFIELD	Т	10.2	0.00032		TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89539	
WERE	CITY OF WINFIELD	1	14.8	0.00032		TECUMSEH ENERGY CENTER UNIT 8	1	103		-0.89539	
WERE	CITY OF WINFIELD	Т	10.2			TECUMSEH ENERGY CENTER UNIT 8	1	103		-0.89539	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.00042		TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89529	15
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30			TECUMSEH ENERGY CENTER UNIT 8	1	103		-0.89529	15
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.00042		TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89529	15
WERE	EVANS ENERGY CENTER UNIT 2	1	15.0137	0.00042		TECUMSEH ENERGY CENTER UNIT 8	1	103		-0.89529	
WERE	GETTY	1	35			TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89543	15
WERE	GETTY	1	35			TECUMSEH ENERGY CENTER UNIT 8	1	103		-0.89543	15
WERE	GILL ENERGY CENTER UNIT 2	1	29			TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89532	15
WERE	GILL ENERGY CENTER UNIT 2	1	29			TECUMSEH ENERGY CENTER UNIT 8	1	103		-0.89532	
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89531	15
WERE	GILL ENERGY CENTER UNIT 3	1	12		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103		-0.89531	15
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89428	15
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.00143	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89428	15
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89428	15
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.00143	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89428	15
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.00144	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.89427	15
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.00144	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89427	15
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00198	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89373	15
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.00198	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89373	15
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.0007	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89501	15
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.0007	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89501	15
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.0007	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89501	15
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.0007	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.89571	-0.89501	15
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	34.21176	0.00067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.89571	-0.89504	15
WEDE	LAWDENIAS SUSPAN ASSITED LINUT S	1.	0404470	0.0000	LVCDC	TEOLINGELLENEDOV OFNITED LINES	- 1	100	0.00574	0.00504	4.5

0.00067 WERE

0.00014 WERE

0.00014 WERE

0.60728 WERE

0.60728 WERE

34.21170

47

WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1 20 0.60728 WERE TECUMSEH ENERGY CE
WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2 21 0.60728 WERE TECUMSEH ENERGY CE
Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Aggregate

Factor = Source GSF - Sink GSF

WERE WERE WERE

WERE

WERE

Redispatch Amount = Relief Amount / Factor

TECUMSEH ENERGY CENTER UNIT 8

TECUMSEH ENERGY CENTER UNIT 7

TECUMSEH ENERGY CENTER UNIT 8

TECUMSEH ENERGY CENTER UNIT 7

TECUMSEH ENERGY CENTER UNIT 7

0.60728 WERE TECUMSEH ENERGY CENTER UNIT 8

0.60728 WERE TECUMSEH ENERGY CENTER UNIT 8

103 0.8957

0.8957

0.8957

55 0.89571

55 0.89571

103 0.89571

103 0.89571 -0.89504

-0.89557

-0.89557

-0.28843

-0.28843

-0.28843

-0.28843

46

46

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1 HOOK JCT - TECUMSEH ENERGY CENTER 115KV CKT 1 To->From TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 57192571801571805718214406FA Upgrade: Limiting Facility:

Direction:

Line Outage:

Flowgate:

10/1/06 - 12/1/06 Date Redispatch Needed:

Reservation	Relief Amount	Amount									
103436			7								
1034394		1 0.7									
1034628											
	-		Maximum Increment(		Sink Control			Maximum Decrement(			Redispatch Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89414	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89414	
WERE	CHANUTE GENERATION SUB	14	15.84	0.00015	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.8955	1
WERE	CHANUTE GENERATION SUB	14	15.84	0.00015	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.8955	1
WERE	CITY OF WELLINGTON	5	16	0.00036	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89529	1
WERE	CITY OF WELLINGTON	6	19.5	0.00036	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89529	1
WERE	CITY OF WELLINGTON	5	16	0.00036	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89529	1
WERE	CITY OF WELLINGTON	6	19.5	0.00036	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89529	1
WERE	CITY OF WINFIELD	1	26.6	0.00033		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89532	
WERE	CITY OF WINFIELD	T	10.2	0.00033	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89532	1
WERE	CITY OF WINFIELD	1	26.6	0.00033	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89532	1
WERE	CITY OF WINFIELD	T	10.2	0.00033	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89532	1
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.00044		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89521	1
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.00044	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89521	1
WERE	GETTY	1	35	0.00029	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89536	1
WERE	GETTY	1	35	0.00029	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89536	1

Aggregate Relief

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	GILL ENERGY CENTER UNIT 1 1	44	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89524
	GILL ENERGY CENTER UNIT 1 1	44	0.00041		TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89524
WERE	GILL ENERGY CENTER UNIT 2 1	74	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89524
WERE	GILL ENERGY CENTER UNIT 2 1	74	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89524
	GILL ENERGY CENTER UNIT 3 1	12	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89524
WERE	GILL ENERGY CENTER UNIT 3 1	12	0.00041	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89524
WERE F	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428
WERE H	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER UNIT 1 1	18	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER UNIT 1 1	18	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER UNIT 2 1	18	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER UNIT 2 1	18	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER UNIT 3 1	31	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER UNIT 3 1	31	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER UNIT 4 1	31	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89428
WERE F	HUTCHINSON ENERGY CENTER UNIT 4 1	31	0.00137	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89428
WERE J	EFFREY ENERGY CENTER UNIT 1 1	24	0.00188	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89377
WERE J	IEFFREY ENERGY CENTER UNIT 1 1	24	0.00188	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89377
WERE J	EFFREY ENERGY CENTER UNIT 2 1	20	0.00065	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.895
	EFFREY ENERGY CENTER UNIT 2 1	20	0.00065		TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.895
WERE J	EFFREY ENERGY CENTER UNIT 3 1	22	0.00065	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.895
	EFFREY ENERGY CENTER UNIT 3 1	22	0.00065		TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.895
	AWRENCE ENERGY CENTER UNIT 3 1	59	-0.00004		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89569
	AWRENCE ENERGY CENTER UNIT 3 1	59	-0.00004		TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89569
	AWRENCE ENERGY CENTER UNIT 4 1	19.00001	-0.00007		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89572
	AWRENCE ENERGY CENTER UNIT 4 1	19.00001	-0.00007		TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89572
	AWRENCE ENERGY CENTER UNIT 5 1	36.3992	0.00067		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.89498
	AWRENCE ENERGY CENTER UNIT 5 1	36.3992	0.00067		TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.89498
	NEOSHO ENERGY CENTER UNIT 3 1	47	0.00015		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.8955
	NEOSHO ENERGY CENTER UNIT 3 1	47	0.00015		TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.8955
	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1	20		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.28845
WERE T	FECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2	21	0.6072	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.89565	-0.28845 2
	FECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1	20		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.28845
WERE T	ECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2	21	0.6072	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	86.4548	0.89565	-0.28845

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

KELLY - KING HILL N.M. COOP 115KV CKT 1 Upgrade: Limiting Facility: KELLY - KING HILL N.M. COOP 115KV CKT 1

Direction:

To->From HOYT - STRANGER CREEK 345KV CKT 1 Line Outage: 57217573311567655677211106FA Flowgate:

Date Redispatch Needed: 10/1/06 - 12/1/06

Date Redispatch Needed:	10/1/06 - 12/1/06										
		Aggregate									
		Relief									
Reservation	Relief Amount	Amount									
1032956											
1034363											
1034394		3.6									
1037591	0.1	3.6			lo: 1	1		In			To :
			Maximum		Sink			Maximum			Redispatch
0	0	0	Increment		Control	Oi-I-	0:-1-1-1	Decrement(		F4	Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CLIFTON GENERATOR	1	70		WEPL	A. M. MULLERGREN GENERATOR	3	25		-0.10232	
WEPL	CLIFTON GENERATOR	1	70		WEPL	JUDSON LARGE GENERATOR	4	70.11459		-0.09357	
WERE	GETTY	1	35		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.06475	
WERE	GETTY	1	35		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.06475	
WERE	GETTY	1	35		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.000	-0.06282	
WERE	GETTY	1	35		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.06282	
WERE	GETTY	1	35		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.05954	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	JEFFREY ENERGY CENTER UNIT 2	11	470		-0.05606	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05606	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.05413	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05413	
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05336	
WERE	GILL ENERGY CENTER UNIT 1	1	44		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05336	
WERE	GILL ENERGY CENTER UNIT 2	1	74			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05336	
WERE	GILL ENERGY CENTER UNIT 2	1	74			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.05336	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.000	-0.05178	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06245	-0.05178	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05178	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.05178	
WERE	EVANS ENERGY CENTER UNIT 1	1	151			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05177	
WERE	EVANS ENERGY CENTER UNIT 1	1	151			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.05177	
WERE	GILL ENERGY CENTER UNIT 1	1	44			TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.05143	
WERE	GILL ENERGY CENTER UNIT 1	1	44			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.05143	
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.05143	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05724	-0.05085	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.000	-0.04985	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04985	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.000	-0.04985	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04985	
WERE	EVANS ENERGY CENTER UNIT 1	1	151		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.04984	
WERE	EVANS ENERGY CENTER UNIT 1	1	151		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06052	-0.04984	
WERE	GILL ENERGY CENTER UNIT 1	1	74		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.04815	
WERE WERE	GILL ENERGY CENTER UNIT 2  EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	JEFFREY ENERGY CENTER UNIT 1 JEFFREY ENERGY CENTER UNIT 1	1	470 470		-0.04815	
WERE		1	54				1	470			
	EVANS ENERGY CENTER GAS TURBINE 3	1				JEFFREY ENERGY CENTER UNIT 1	1				
WERE WERE	EVANS ENERGY CENTER UNIT 1	1	151			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.04656	
WERE	GETTY GETTY	1	35		WERE WERE	ABILENE ENERGY CENTER GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 1	1			-0.04637 -0.04063	89
WERE	GETTY	1	35		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30 55		-0.04063	
WERE	GETTY	1	35		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.03588	-0.04063	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	233.2697		-0.03768	
WERE	GETTY	1	35		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120		-0.03768	
WERE	GETTY	1	35		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60		-0.03702	
	-	1	44		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.03586	
WERE WERE	GILL ENERGY CENTER UNIT 1 GILL ENERGY CENTER UNIT 2	1	74			ABILENE ENERGY CENTER GAS TURBINE 1	1	40			
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.03496	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	54			ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.0334	
WERE	EVANS ENERGY CENTER GAS TURBINE 3  EVANS ENERGY CENTER UNIT 1	1	151			ABILENE ENERGY CENTER GAS TURBINE 1	1	40			
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67			BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55			
WEILE	INCOSTO ENERGI CENTER UNIT 3	11	1 6/	0.00039	VVERE	IDFU - CITT OF WICPHERSON GAS TURBINE 4	11	55	U.U3633	ı -u.uə194	7 113

WERE NEOSHO ENERGY CENTER UNIT 3 1 67 0.00639 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 55 0.03833 -0.03194

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: KELLY - KING HILL N.M. COOP 115KV CKT 1 KELLY - KING HILL N.M. COOP 115KV CKT 1

Direction: To->From

HOYT - STRANGER CREEK 345KV CKT 1 57217573311567655677211107FA Line Outage: Flowgate:

Date Redispatch Needed: 10/1/07 - 12/1/07

		Aggregate Relief	е
Reservation	Relief Amount	Amount	
1032956	0.5		5.7
1032992	0.7		5.7
1034234	0.8		5.7
1034276	1.7		5.7
1034363	1.6		5.7
1034394	0.2		5.7
1037591	0.1		5.7

103759	91 0.1	5.7									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08353		A. M. MULLERGREN GENERATOR	3	61.53732	0.02055	-0.10408	55
WEPL	CLIFTON GENERATOR	1	70	-0.08353		JUDSON LARGE GENERATOR	4	92.98975			60
WERE	GETTY	1	35	-0.00236	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.06451	88
WERE	GETTY	1	35	-0.00236		JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.06451	88
WERE	GETTY	1	35	-0.00236	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.06261	9
WERE	GETTY	1	35	-0.00236		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.06261	9
WERE	GETTY	1	35	-0.00236	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.0593	96
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05576	10:
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05576	102
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.05386	10
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05386	108
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05304	10
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05304	107
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05304	107
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05304	107
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	110
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	110
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05148	110
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05148	3 110
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06215	-0.05147	110
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06215	-0.05147	110
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.05114	11
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05114	11
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.05114	111
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.05114	111
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.05055	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.04958	3 114
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04958	3 114
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.04958	3 114
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04958	3 114
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.06025	-0.04957	115
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.06025	-0.04957	11:
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04783	119
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04783	119
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067		JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04627	12:
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.04627	123
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01068	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05694	-0.04626	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00639		CLAY CENTER JUNCTION	1	9999		-0.03808	3 14
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00911		CLAY CENTER JUNCTION	1	9999	0.04447	-0.03536	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01067		CLAY CENTER JUNCTION	1	9999		-0.0338	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01067		CLAY CENTER JUNCTION	1	9999		-0.0338	3 16
WERE	EVANS ENERGY CENTER UNIT 1	1	151			CLAY CENTER JUNCTION	1	9999			

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: KELLY - KING HILL N.M. COOP 115KV CKT 1 KELLY - KING HILL N.M. COOP 115KV CKT 1

Direction:

To->From HOYT - STRANGER CREEK 345KV CKT 1 57217573311567655677211306WP Line Outage: Flowgate:

Date Redispatch Needed: 12/1/06 - 4/1/07

		Aggregate Relief
Reservation	Relief Amount	Amount
1022463	4.1	9.3
1032956	0.8	9.3
1034363	2.5	9.3
1034394	0.3	9.3
1034407	1.4	9.3
1037591	0.1	9.3

103759	0.1	9.3	Maximum		Sink	1		Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)		Factor	(MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08293	WEPL	A. M. MULLERGREN GENERATOR	3	45.50854	0.01937	-0.1023	
WEPL	CLIFTON GENERATOR	1	70	-0.08293	WEPL	JUDSON LARGE GENERATOR	4	88.80332	0.01063	-0.09356	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05618	165
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05618	165
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05342	2 174
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05342	
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05325	
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05325	
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.0532	
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.0532	2 174
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05184	
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05183	
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05183	
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06277	-0.05183	
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06277	-0.05183	
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00659	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.05097	
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00935	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04821	
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.00952	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04804	
WERE	GILL ENERGY CENTER UNIT 4	1	106	0.00957	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04799	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01093		JEFFREY ENERGY CENTER UNIT 1	1	470			
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01093	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04663	
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04662	
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.01094	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05756	-0.04662	2 199

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: KELLY - KING HILL N.M. COOP 115KV CKT 1 KELLY - KING HILL N.M. COOP 115KV CKT 1

To->From HOYT - STRANGER CREEK 345KV CKT 1 Line Outage: 57217573311567655677211307WP Flowgate:

Date Redispatch Needed: 12/1/07 - 4/1/08

		Aggregate Relief
Reservation	Relief Amount	Amount
1022463	3.1	9.8
1032956	0.5	9.8
1032992	0.7	9.8
1032992	0.5	9.8
1034234		9.8
1034276	1.8	9.8
1034363	2.1	9.8
1034394	0.2	9.8
1037591	0.1	9.8

1007.00	· · ·	0.0	Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WEPL	CLIFTON GENERATOR	1	70	-0.08337	WEPL	A. M. MULLERGREN GENERATOR	3	41.28804	0.02068	-0.10405	94
WEPL	CLIFTON GENERATOR	1	70	-0.08337	WEPL .	JUDSON LARGE GENERATOR	4	90.65675	0.01122	-0.09459	104
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.0531	185
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.0531	185
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.05154	190
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.05154	190
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06224	-0.05153	190
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06224	-0.05153	190
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.05121	191
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.04965	197
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.06035	-0.04964	198
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.00914	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.0479	205
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.0107	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.04634	212
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.05704	-0.04633	212
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01071		CLAY CENTER JUNCTION	1	9999	0.04457	-0.03386	290
	lavimum Increment were determine from the Source and Sin	k Operating B	lointo in tho				1'	3333	0.04437	-0.03300	'

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2 LAWRENCE FILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
From->To
LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1
From->To
LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1
LAWWHL29X1631568535685511106SH

Aggregate

Direction:

Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Relief									
Reservation	Relief Amount	Amount									
1032956	0.9	4.5									
1034394		4.5									
1035259	3.3	4.5									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF		Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.34307	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.75508	6
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34629	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.7583	6
WERE	CITY OF WELLINGTON	5	16	0.01555	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39646	11
WERE	CITY OF WELLINGTON	6	19.5	0.01555	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39646	11
WERE	CITY OF WINFIELD	T	10.2	0.01438	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39763	11
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39265	11
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39265	11
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	64	0.01936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39265	11
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01937	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39264	11
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01937	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39264	11
WERE	GETTY	1	35	0.01535	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39666	11
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.0177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39431	11
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.0177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39431	11
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01785	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39416	11
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00545	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.40656	11
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01449	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39752	11
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01449	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.39752	11
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.0114	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.40061	11
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.0114	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.40061	11
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37574	12
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37574	12
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37574	12
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.03623	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37578	12
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37574	12
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37728	12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37728	12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37728	12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.03473	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37728	12
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.03472	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37729	12
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.03472	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37729	12
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.03472	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37729	12
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	42.7534	0.03474	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37727	12
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.03729	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.37472	12
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.38392	12
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	231.3965	0.41201	-0.38392	12

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59			ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04058	-0.38365	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01937	-0.36244	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01785	-0.36092	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307 \	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0179	-0.36097	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307 \	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.03474	-0.37781	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307 \	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03729	-0.38036	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02809	-0.37116	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02809	-0.37116	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307 \	WERE	WACO	1	17.964	0.01805	-0.36112	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04058	-0.38687	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	CITY OF WINFIELD	1	24.41401	0.01438	-0.36067	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01937	-0.36566	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01785	-0.36414	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0179	-0.36419	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.03474	-0.38103	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03729	-0.38358	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02809	-0.37438	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02809	-0.37438	12
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	WACO	1	17.964	0.01805	-0.36434	12
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307	WERE	CHANUTE GENERATION SUB	14	33.658	0.00523	-0.3483	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307 \	WERE	CITY OF ERIE	1	20	0.00523	-0.3483	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307	WERE	CITY OF WINFIELD	1	24.41401	0.01438	-0.35745	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307 \	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0114	-0.35447	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1 59	-0.34307 \	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0114	-0.35447	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	CHANUTE GENERATION SUB	14	33.658	0.00523	-0.35152	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	CITY OF ERIE	1	20	0.00523	-0.35152	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0114	-0.35769	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1 19.00001	-0.34629 \	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0114	-0.35769	13
WERE	NEOSHO ENERGY CENTER UNIT 3	1 67	0.00545	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03729	-0.03184	141

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1

Direction:

From->To
LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1 Line Outage:

LAWWHL29X1631568535685511106SP Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief	
Reservation		Amount	
1032956	1.6	7.8	
1034363	2.1	7.8	
1034394	0.6	7.8	
1034628	0.3	7.8	
1035259	3.3	7.8	
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			h

1034628	0.3	7.8									
1035259	3.3	7.8									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.7583	3 10
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00545	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.40656	5 19
WERE	CITY OF WINFIELD	T	10.2	0.01438	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39763	3 20
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01936	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39265	5 20
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01937	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39264	1 20
WERE	GETTY	1	35	0.01535	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39666	6 20
WERE	GILL ENERGY CENTER UNIT 2	1	29	0.0177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39431	1 20
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01785	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39416	6 20
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.38392	2 20
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02809	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.38392	2 20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04058	-0.38687	7 20
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.38256	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03627	-0.38256	3 20
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.38252	2 20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20		-0.38256	3 20
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		JEFFREY ENERGY CENTER UNIT 1	1	470	0.03729	-0.38358	
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01449	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39752	2 20
	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01449	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.39752	
	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.0114	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.40061	1 20
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	18	0.0114	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.40061	1 20
	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.03627	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37574	
	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37728	
	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37728	
	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.03474		LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37727	
	JEFFREY ENERGY CENTER UNIT 1	1	24	0.03729		LAWRENCE ENERGY CENTER UNIT 5	1	232.6563	0.41201	-0.37472	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01936	-0.36565	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		EVANS ENERGY CENTER GAS TURBINE 3	1	60		-0.36565	5 2
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		EVANS ENERGY CENTER UNIT 1	1	120		-0.36566	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		EVANS ENERGY CENTER UNIT 2	1	305		-0.36566	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30		-0.38102	2 2
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30		-0.38102	2 2
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		HUTCHINSON ENERGY CENTER UNIT 1	1	10		-0.38101	1 2
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		HUTCHINSON ENERGY CENTER UNIT 2	1	10		-0.38101	1 2
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		HUTCHINSON ENERGY CENTER UNIT 3	1	20		-0.38101	1 2
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03474	-0.38103	3 2
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		JEFFREY ENERGY CENTER UNIT 2	1	470		-0.37438	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		JEFFREY ENERGY CENTER UNIT 3	1	470		-0.37438	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		WACO	1	17.97	0.01805	-0.36434	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		CHANUTE GENERATION SUB	14	42.755		-0.35152	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		CITY OF ERIE	1	20		-0.35152	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		CITY OF WELLINGTON	5	20		-0.36184	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		CITY OF WELLINGTON	6	11.50201	0.01555	-0.36184	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		CITY OF WINFIELD	1	26.6	0.01438	-0.36067	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		GILL ENERGY CENTER UNIT 1	1	18		-0.36399	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		GILL ENERGY CENTER UNIT 2	1	27		-0.36399	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		GILL ENERGY CENTER UNIT 3	1	78		-0.36414	1 2
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		GILL ENERGY CENTER UNIT 4	1	77		-0.36419	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.35769	
	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.34629		TECUMSEH ENERGY CENTER UNIT 8	1	88		-0.35769	

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 From->To LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1 LAWWHL29X1631568535685511107SH Upgrade: Limiting Facility: Direction:

Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

			Aggregate	1
			Relief	
Reservation	Relief Amount		Amount	
1032956		0.7	7.4	Ī
1034234		0.9	7.4	Ī
1034276		2.1	7.4	Ī
1034394		0.2	7.4	Ī
1035259		3.4	7.4	Ī
		,		Ţ
				D
Source Control Area	Source		Source Id	ı
WEDE	LAWDENCE ENERGY CENTER LINES		4	T

10352	259 3.4	7.4									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			LAWRENCE ENERGY CENTER UNIT 5	1	238.9324			
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324			
WERE	CITY OF WINFIELD	Т	10.2	0.01459		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.40014	18
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00551		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.40922	18
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.01318		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.40155	
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	37.99999	0.01318		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.40155	18
WERE	CITY OF WELLINGTON	5	20	0.01584		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39889	19
WERE	CITY OF WELLINGTON	6	19.5	0.01584		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.39889	19
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01958		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.39515	19
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01958		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.39515	19
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01959		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.39514	19
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01959		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.39514	19
WERE	GETTY	1	35	0.01556		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.39917	19
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01793		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.3968	
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01793		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.3968	
WERE	GILL ENERGY CENTER UNIT 3	1	12			LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.39664	19
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02901		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.38572	19
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02901	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.38572	19
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936		ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.38303	19
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936		CLAY CENTER JUNCTION	1	9999		-0.38534	19
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249		ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.38616	19
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.37999	19
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.37994	19
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249		BPU - CITY OF MCPHERSON STEAM PLANT	1	20			19
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249		CLAY CENTER JUNCTION	1	9999			19
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.38109	19
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2		20	0.01625		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.39848	
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01625		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.39848	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	25.74512		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.37723	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.37723	20
WERE	CLAY CENTER JUNCTION	1	28.7	0.04598		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.36875	20
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.03604		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.37869	20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03604		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37869	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.03604		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.37869	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.03604		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.37869	20
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.03603		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.3787	20
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.03603		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.3787	20
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.03603		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324		-0.3787	20
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.03605		LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37868	20
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.0386	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.9324	0.41473	-0.37613	20

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.0375	-0.37686	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03745	-0.37681	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.0375	-0.37686	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03605	-0.37541	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0386	-0.37796	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02901	-0.36837	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02901	-0.36837	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01958	-0.36207	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01959	-0.36208	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01809	-0.36058	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01814	-0.36063	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03605	-0.37854	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02901	-0.3715	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02901	-0.3715	20
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	WACO	1	17.947	0.01829	-0.36078	20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	CHANUTE GENERATION SUB	14	33.041	0.00531	-0.34467	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	CITY OF ERIE	1	20	0.00531	-0.34467	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	CITY OF WINFIELD	1	19.46902	0.01459	-0.35395	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01958	-0.35894	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01959	-0.35895	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01809	-0.35745	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01814	-0.3575	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01318	-0.35254	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01318	-0.35254	21
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33936	WERE	WACO	1	17.947	0.01829	-0.35765	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	CHANUTE GENERATION SUB	14	33.041	0.00531	-0.3478	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	CITY OF ERIE	1	20	0.00531	-0.3478	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	CITY OF WINFIELD	1	19.46902	0.01459	-0.35708	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01318	-0.35567	21
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34249	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01318	-0.35567	21
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00551	WERE	CLAY CENTER JUNCTION	1	9999	0.04598	-0.04047	183

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 From->To LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1 LAWWHL29X1631568535685511107SP Upgrade: Limiting Facility:

Direction:

Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

			Aggregate Relief
Reservation	Relief Amount		Amount
1032956		1.1	10.7
1032994		2.7	10.7
1034234		0.9	10.7
1034276		2.1	10.7
1034394		0.4	10.7
1035259		3.4	10.7

			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00551	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.40922	26
WERE	CITY OF WELLINGTON	6	15.6	0.01584	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.39889	27
WERE	CITY OF WINFIELD	T	10.2	0.01459	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.40014	27
WERE	GETTY	1	35	0.01556	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.39917	27
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01625	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.39848	27
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01625	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.39848	27
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	24.41943	0.0375	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.37723	, 28
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.03604	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.37869	28
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03604	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.37869	28
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.0386	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.37613	28
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02901	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.38572	28
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02901	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.38572	. 28
WERE	CLAY CENTER JUNCTION	1	28.7	0.04598	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	242.1314	0.41473	-0.36875	29
Maximum Decrement and M	avimum Increment were determine from the Source and Sin	k Operating D	ainta in tha	atudy mada	le whore li	miting facility was identified					

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2

 Limiting Facility:
 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1

 Direction:
 From->To

 Line Outage:
 LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1

 Flowgate:
 LAWWHL29X1631568535685511307FA

 Date Redispatch Needed:
 10/1/07 - 12/1/07

			Aggregate
			Relief
Reservation	Relief Amount		Amount
102246	3	3.1	25.3
1032956	6	0.8	25.3
1032994		4.9	25.3
1034234		0.9	25.3
103427	6	2.4	25.3
1034363	3	4.8	25.3
1034394		0.2	25.3
1034589	9	1.1	25.3
1034590	)	2.6	25.3
1034628	3	1.1	25.3
1035259		3.4	25.3

AMPRINGE ENERGY CENTER UNIT 3   59   -0.33939 WERE   LAWRENCE ENERGY CENTER UNIT 5   1   230.4821   0.4147   0.02021   52	103402											
Decement   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source	103525	9 3.4	25.3			0:-1-	1		I A a colores cons			Dediesetele
Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   S					,	-						
AMPRINCE ENERGY CENTER UNIT 4								0: 1 11		005		
LAWRENCE ENERGY CENTER UNIT 3   1   59   -0.33939  WERE   LAWRENCE ENERGY CENTER UNIT 5   1   230.4821   0.4147   -0.75409   24			Source Id					Sink Id				
RERE	WERE		1					1				
1			1		0.0000			1				
SERE   GETTY	WERE		1		0.000.0			1				
TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	WERE		1					1				
TECLUMSEH ENERGY CENTER UNIT 8	WERE		1					1				
EFER   EVANS ENERGY CENTER GAS TURBINE 1	WERE		2					1				
ERE	WERE		1	37.99999				1				
EVANS ENERGY CENTER GAS TURBINE 3	WERE		1	80	0.01956	WERE		1	230.4821			
EVANS ENERGY CENTER UNIT 1	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01956	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39514	64
EVANS ENERGY CENTER UNIT 2	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01956	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39514	
Fire   GILL ENERGY CENTER UNIT 1	WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.01957	WERE		1	230.4821	0.4147	-0.39513	
Fight	WERE	EVANS ENERGY CENTER UNIT 2	1	24.54999	0.01957	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39513	
FREE   GILL ENERGY CENTER UNIT 3	WERE	GILL ENERGY CENTER UNIT 1	1	44	0.0179	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3968	64
LAWRENCE ENERGY CENTER UNIT 4	WERE	GILL ENERGY CENTER UNIT 2	1	74	0.0179	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3968	64
Fere   Jeffrey Energy Center Unit 3   1   22   0.02898   Were   Lawrence Energy Center Unit 5   1   230.4821   0.4147   -0.38572   66	WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01806	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.39664	64
LAWRENCE ENERGY CENTER UNIT 3	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	CLAY CENTER JUNCTION	1	9999	0.04594	-0.38846	
LAWRENCE ENERGY CENTER UNIT 4	WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.02898	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.38572	
FERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   51   0.03747   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   230.4821   0.4147   -0.37723   67	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	CLAY CENTER JUNCTION	1	9999	0.04594	-0.38533	66
FREE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.03747   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   230.4821   0.4147   -0.37723   67	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03857	-0.38109	66
FERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.03747   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   230.4821   0.4147   -0.37723   67	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	0.03747	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37723	67
FERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.03742  WERE   LAWRENCE ENERGY CENTER UNIT 5   1   230.4821   0.4147   -0.37728   67	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	0.03747	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37723	67
FERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0.03747	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37723	67
FERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.03742	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37728	67
VERE	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.03747	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37723	67
VERE	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.036	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3787	67
HUTCHINSON ENERGY CENTER GAS TURBINE 2	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			LAWRENCE ENERGY CENTER UNIT 5	1		0.4147	-0.3787	
FEE HUTCHINSON ENERGY CENTER UNIT 3 1 31 0.03599 WERE LAWRENCE ENERGY CENTER UNIT 5 1 230.4821 0.4147 -0.37871 67	WERE		1					1				
FEE HUTCHINSON ENERGY CENTER UNIT 3 1 31 0.03599 WERE LAWRENCE ENERGY CENTER UNIT 5 1 230.4821 0.4147 -0.37871 67	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.036	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.3787	67
	WERE		1	31				1				
	WERE		1	70.99999				1		0.4147		

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.03857	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37613	67
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.03601	-0.3754	67
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03857	-0.37796	67
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.03601	-0.37853	67
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	46	0.04364	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.37106	68
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02898	-0.3715	68
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02898	-0.3715	68
WERE	CLAY CENTER JUNCTION	1	28.7	0.04594	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821	0.4147	-0.36876	69
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02898	-0.36837	69
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02898	-0.36837	69
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01957	-0.35896	70
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01957	-0.36209	70
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01811	-0.36063	70
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01811	-0.3575	71
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01315	-0.35567	71
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01315	-0.35567	71
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01315	-0.35254	72
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01315	-0.35254	72
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33939	WERE	CHANUTE GENERATION SUB	14	42.721	0.00529	-0.34468	73
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.34252	WERE	CHANUTE GENERATION SUB	14	42.721	0.00529	-0.34781	73

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF
Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2 LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1 From→To LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1 LAWWHL29X1631568535685511307WP 12/1/07 - 4/1/08 Upgrade: Limiting Facility: Direction:

Line Outage:

Flowgate:

Date Redispatch Needed:

		Aggregate Relief	
Reservation	Relief Amount	Amount	
1032956	0.9	9	1.5
1032994		9	1.5
1034234	0.9	9	1.5
1034276	2.5	9	1.5
1034394	0.3	9	1.5
1035259	3.4	9	1.5

1035	5259 3.4	9.5	1								-
			Maximum		Sink			Maximum			Redispatch
	_		Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257		LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	CHANUTE GENERATION SUB	14	21.55			LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	CITY OF ERIE	1	16			LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47			LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40923	
WERE	CITY OF WELLINGTON	5	20			LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	CITY OF WELLINGTON	6	19.5	0.01573		LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	CITY OF WINFIELD	1	26.18			LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	CITY OF WINFIELD	Т	10.2	0.01448		LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01948	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39516	6 24
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01948	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39516	6 24
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01949	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39515	5 24
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01949	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39515	5 24
WERE	GETTY	1	35	0.01546	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39918	3 24
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39681	1 24
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39681	1 24
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01799	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39665	5 24
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	CLAY CENTER JUNCTION	1	9999	0.04589	-0.38846	3 24
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.01617	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39847	7 24
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.01617	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.39847	7 24
WERE	TECUMSEH ENERGY CENTER UNIT 7	1	15	0.0131	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40154	4 24
WERE	TECUMSEH ENERGY CENTER UNIT 8	1	20.46069	0.0131	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.40154	4 24
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	0.03742	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37722	2 25
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.03595	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37869	9 25
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03595	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37869	9 25
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.03595	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37869	9 25
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.03595	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37869	9 25
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	0.03594	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.3787	7 25
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	0.03594	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.3787	
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.03594	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.3787	7 25
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	0.03596	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.37868	
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24			LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.02893	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.38571	1 25
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22			LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464		

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	11	40	0.04359	-0.38303	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03742	-0.37686	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03742	-0.37686	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03737	-0.37681	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03742	-0.37686	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	CLAY CENTER JUNCTION	1	9999	0.04589	-0.38533	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03596	-0.3754	25
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03852	-0.37796	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.04359	-0.38616	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.03742	-0.37999	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.03742	-0.37999	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.03737	-0.37994	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.03742	-0.37999	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.03596	-0.37853	25
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03852	-0.38109	25
WERE	CLAY CENTER JUNCTION	1	28.7	0.04589	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	240.9251	0.41464	-0.36875	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01948	-0.35892	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01949	-0.35893	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02893	-0.36837	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02893	-0.36837	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01948	-0.36205	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01949	-0.36206	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01799	-0.36056	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01804	-0.36061	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02893	-0.3715	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02893	-0.3715	26
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	WACO	1	17.93	0.01819	-0.36076	26
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01799	-0.35743	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01804	-0.35748	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0131	-0.35254	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.0131	-0.35254	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944		WACO	1	17.93	0.01819	-0.35763	27
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	CHANUTE GENERATION SUB	14	21.25	0.0052	-0.34777	27
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0131	-0.35567	27
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.34257	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.0131	-0.35567	27
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.33944	WERE	CHANUTE GENERATION SUB	14	21.25	0.0052	-0.34464	28

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 2
Limiting Facility: LAWRENCE HILL (LAWHL29X) 230/115/13.8KV TRANSFORMER CKT 1

Aggregate Relief

Direction: From->To

Line Outage: LAWRENCE HILL - MIDLAND JUNCTION 230KV CKT 1

Flowgate: LAWWHL29X1631568535685513106WP

Date Redispatch Needed: 12/1/06 - 4/1/07

1032956 1034394 1035259 Source Control Area Sou WERE LAW WERE CH/WERE CH/WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT CIT WERE CIT CIT CIT CIT CIT CIT CIT CIT CIT CIT	1.2 0.3 3.3	Amount 4.8 4.8 4.8									
1034394 1035259  Source Control Area Sou WERE LAW WERE LAW WERE CHWERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT	0.3	4.8									
1035259  Source Control Area Source Control Area LAW WERE LAW WERE CH WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT WERE CIT											
Source Control Area Source VERE LAV VERE LAW VERE CHIVERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE CIT VERE EV/	3.0	1.0									
WERE         LAW           WERE         LAW           WERE         CH           WERE         CIT           WERE         EV			Maximum		Sink			Maximum			Redispatch
WERE         LAW           WERE         LAW           WERE         CH           WERE         CIT           WERE         CIT           WERE         CIT           WERE         CIT           WERE         CIT           WERE         EV/			Increment(	·	Control			Decrement(			Amount
WERE         LAW           WERE         LAW           WERE         CH           WERE         CIT           WERE         CIT           WERE         CIT           WERE         CIT           WERE         CIT           WERE         EV/	urce	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE         LAW           WERE         CH           WERE         CIT           WERE         CIT           WERE         CIT           WERE         CIT           WERE         EV	WRENCE ENERGY CENTER UNIT 3	1	59			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206		
WERE         CH/           WERE         CIT	WRENCE ENERGY CENTER UNIT 4	1	119		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.75824	1
WERE         CIT           WERE         CIT           WERE         CIT           WERE         CIT           WERE         CIT           WERE         CIT           WERE         EVA	HANUTE GENERATION SUB	14	20.036			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.40691	1 1
WERE CIT WERE CIT WERE CIT WERE EVA	TY OF ERIE	1	16		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.40691	
WERE CIT WERE EVA		5	20		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39661	
WERE CIT WERE EVA		6	19.5			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39661	
WERE EVA	TY OF WINFIELD	T	10.2	0.01428		LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39778	
	ANS ENERGY CENTER GAS TURBINE 1	1	80			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39282	
	/ANS ENERGY CENTER GAS TURBINE 2	1	80			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39282	
WERE EVA	ANS ENERGY CENTER GAS TURBINE 3	1	154			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39282	
	ANS ENERGY CENTER UNIT 1	1	151	0.01925		LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39281	
	ANS ENERGY CENTER UNIT 2	1	273			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39281	
	ETTY	1	35			LAWRENCE ENERGY CENTER UNIT 5	- 1	181.5472	0.41206	-0.39261	
		1					1				
	LL ENERGY CENTER UNIT 1	1	44 74			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206 0.41206	-0.39446	
	LL ENERGY CENTER UNIT 2	4				LAWRENCE ENERGY CENTER UNIT 5	1 4	181.5472		-0.39446	
	LL ENERGY CENTER UNIT 3 LL ENERGY CENTER UNIT 4	1	112			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472 181.5472	0.41206 0.41206	-0.39431	
		1	106			LAWRENCE ENERGY CENTER UNIT 5	1			-0.39426	
	FFREY ENERGY CENTER UNIT 2	1	20		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.3837	7 1
	FFREY ENERGY CENTER UNIT 3	1	22		WERE	LAWRENCE ENERGY CENTER UNIT 5		181.5472	0.41206	-0.3837	7 1
	WRENCE ENERGY CENTER UNIT 4	1	119			JEFFREY ENERGY CENTER UNIT 1	1	470	0.03783	-0.38401	
	OSHO ENERGY CENTER UNIT 3	1	67			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.4067	
	CUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39717	
	CUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.39717	
	CUMSEH ENERGY CENTER UNIT 7	1	85			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.40031	
	CUMSEH ENERGY CENTER UNIT 8	1	75.49927	0.01175		LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.40031	
	BILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.36913	
	PU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37535	
	PU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37535	
	PU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37535	
	PU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.3754	
WERE BPL	PU - CITY OF MCPHERSON STEAM PLANT	1	27	0.03671	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37535	5 1
	JTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37697	
WERE HU	JTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.03509	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37697	7 1:
WERE HU	JTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.03509	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37697	7 1
WERE HU	JTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.03509	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37697	7 1
WERE HU	JTCHINSON ENERGY CENTER UNIT 1	1	18	0.03508	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37698	3 1
WERE HU	JTCHINSON ENERGY CENTER UNIT 2	1	18	0.03508	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37698	3 1
WERE HU	JTCHINSON ENERGY CENTER UNIT 3	1	31	0.03508	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37698	3 1
WERE HU	JTCHINSON ENERGY CENTER UNIT 4	1	151	0.0351	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37696	3 1
WERE JEF	FFREY ENERGY CENTER UNIT 1	1	24	0.03783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	0.41206	-0.37423	
	WRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	CITY OF WINFIELD	1	24.34801	0.01428	-0.35724	
	WRENCE ENERGY CENTER UNIT 3	1	59	-0.34296	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.01925	-0.36221	
	WRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 1	1	470	0.03783	-0.38079	
	WRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 2	1	470	0.02836	-0.37132	
	WRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 3	1	470	0.02836	-0.37132	
	WRENCE ENERGY CENTER UNIT 3	1	59			TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.01175	-0.35471	
	WRENCE ENERGY CENTER UNIT 3	1	59			WACO	1	17.953	0.01795	-0.36091	
	WRENCE ENERGY CENTER UNIT 4	1	119			CITY OF WINFIELD	1	24.34801	0.01428	-0.36046	
	WRENCE ENERGY CENTER UNIT 4	1	119			EVANS ENERGY CENTER UNIT 2	1	55		-0.36543	
	WRENCE ENERGY CENTER UNIT 4	1	119	-0.34618	WERE	JEFFREY ENERGY CENTER UNIT 2	li i	470	0.01823	-0.37454	
	WRENCE ENERGY CENTER UNIT 4	1	119			JEFFREY ENERGY CENTER UNIT 3	1	470	0.02836	-0.37454	
	WRENCE ENERGY CENTER UNIT 4	1	119		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.02636	-0.35793	
	WRENCE ENERGY CENTER UNIT 4	1	119			WACO	1	17.953	0.01775	-0.36413	
	WRENCE ENERGY CENTER UNIT 3	1	59			CHANUTE GENERATION SUB	14	22.764		-0.34811	
	WRENCE ENERGY CENTER UNIT 3	1	110	-0.34296		CHANUITE GENERATION SUB	14	22.764		-0.34811	1 1

WERE LAWRENCE ENERGY CENTER UNIT 3 1 59 -0.34296 WERE CHANUTE GENERATION SUB
WERE LAWRENCE ENERGY CENTER UNIT 4 1 119 -0.34618 WERE CHANUTE GENERATION SUB
WERE NEOSHOE DENERGY CENTER UNIT 4 1 670 0.00536 WERE JEFFREY ENERGY CENTER UNIT 1
Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

14

0.00515

0.03783

22.764

-0.35133

-0.03247

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1 MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1 Upgrade: Limiting Facility: Direction:

Line Outage: LANG - WICHITA 345KV CKT 1 MEDD-LDG42431567695679611106FA 10/1/06 - 12/1/06 Flowgate: Date Redispatch Needed:

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032990	0.5	6.1
1032993	1.1	6.1
1032993	1.1	6.1
1033723	0.3	6.1
1033723	0.3	6.1
1034312	0.3	6.1
1034394	0.1	6.1
1035259	2.5	6.1

1035259	2.5	6.1									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)		Area	Sink	Sink Id		GSF	Factor	(MW)
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.11657	
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.11656	
WEPL	CLIFTON GENERATOR	1	70	0.02528	WEPL	JUDSON LARGE GENERATOR	4	70.11459	0.13518	-0.1099	
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.10473	
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098		
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05108	-0.10473	
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.10472	
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.10462	2 58
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05108	-0.10472	
WERE	CITY OF WELLINGTON	5	20	-0.03932		HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10224	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10135	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292		
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10124	
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.03832	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.10124	4 60
WERE	GETTY	1	35	-0.03036	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.09328	65
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.08951	1 68
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.08941	1 68
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.08951	
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.08941	1 68
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.0894	4 68
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.0893	3 68
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.03832	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.0894	
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.03832	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.0893	3 68
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.0847	7 72
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.08469	9 72
WERE	GETTY	1	35	-0.03036	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05108	-0.08144	4 75
WERE	GETTY	1	35	-0.03036	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.08134	4 75
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00926	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.07218	84
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.07124	4 85
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.07123	3 85
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.07105	5 86
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.07105	
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.07104	4 86
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.07104	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.06948	88
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.06948	88
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.06937	7 88

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.06768	90
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.06768	90
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.06767	90
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.06767	90
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.06557	93
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.06556	93
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05365	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.06488	94
WERE	GILL ENERGY CENTER UNIT 2	1	74	-0.05364	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.06487	94
WERE	GETTY	1	35	-0.03036	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.03105	-0.06141	99
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	-0.00926	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.06024	101
WEPL	CIMARRON RIVER PLANT GENERATOR	1	58	0.07805	WEPL	JUDSON LARGE GENERATOR	4	70.11459	0.13518	-0.05713	106
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.05602	109
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.05583	109
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.05583	109
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.05602	109
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.05583	109
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.05583	109
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01759	-0.05591	109
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0174	-0.05572	109
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0174	-0.05572	109
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.05246	116
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.05246	116
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.05246	116
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.05246	116
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01403	-0.05235	116
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01403	-0.05235	116
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	0.01123	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.06292	-0.05169	118
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.05035	121
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.05035	121
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	233.2897	0.01192	-0.05024	121
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	-0.03843	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.04966	123
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	-0.03843	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.04966	123
WERE	EVANS ENERGY CENTER UNIT 1	1	151	-0.03832	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01123	-0.04955	123
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	0.01123	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05098	-0.03975	153

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1 MEDICINE LODGE (MED-LDG4) 138/115/2.72KV TRANSFORMER CKT 1 To->From GEN:56751 1

Line Outage:

Flowgate: MEDD-LDG42431GEN5675111107SP
Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation		Aggregate Relief Amount
1024415	0.3	1.6
1032993	0.2	1.6
1034234	0.1	1.6
1034259	0.2	1.6
1034276		1.6
1035259	0.6	1.6

10342		1.6									
10352	59 0.0	1.0	Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WELLINGTON	e Source Iu	15.6		WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30			(10100)
WERE	CITY OF WELLINGTON	6	15.6	-0.03262		HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30		-0.08712	1
WERE	CITY OF WELLINGTON	6	15.6	-0.03262		HUTCHINSON ENERGY CENTER UNIT 1	1	10		-0.08712	1
WERE	CITY OF WELLINGTON	6	15.6			HUTCHINSON ENERGY CENTER UNIT 2	1	10		-0.08724	1
WERE	CITY OF WELLINGTON	6	15.6		WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20		-0.08724	1
WERE	CITY OF WELLINGTON	6	15.6		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.08724	1
WERE	CITY OF WELLINGTON  CITY OF WINFIELD	T T	10.2	-0.03262		HUTCHINSON ENERGY CENTER GINT 4  HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30		-0.06697	2
WERE	CITY OF WINFIELD	<u> </u>	10.2	-0.02377		HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30		-0.07827	2
WERE	CITY OF WINFIELD	  -	10.2	-0.02377		HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	10		-0.07839	2
WERE	CITY OF WINFIELD	<u> </u>	10.2	-0.02377		HUTCHINSON ENERGY CENTER UNIT 2	1	10		-0.07839	2
		- -					1				
WERE	CITY OF WINFIELD	T	10.2		WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.07839	2
WERE	CITY OF WINFIELD	1	10.2			HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.07812	2
WERE	GETTY	1	35		WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10		-0.07763	2
WERE	GETTY	1	35		WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10		-0.07763	2
WERE	GETTY	1	35			HUTCHINSON ENERGY CENTER UNIT 3	1	20		-0.07763	2
WERE	CITY OF WELLINGTON	6	15.6			BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.07579	2
WERE	CITY OF WELLINGTON	6	15.6		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			2
WERE	CITY OF WELLINGTON	6	15.6			BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.07569	2
WERE	CITY OF WELLINGTON	6	15.6		WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20		-0.07579	2
WERE	GETTY	1	35			HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.07751	2
WERE	GETTY	1	35			HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.07751	2
WERE	GETTY	1	35			HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.07736	2
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.06694	2
WERE	CITY OF WINFIELD	T	10.2		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30		-0.06694	2-
WERE	CITY OF WINFIELD	T	10.2		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.06684	2
WERE	CITY OF WINFIELD	T	10.2	-0.02377	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.04317	-0.06694	2
WERE	GETTY	1	35	-0.02301	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.04317	-0.06618	2
WERE	GETTY	1	35		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30		-0.06618	2-
WERE	GETTY	1	35	-0.02301	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.04307	-0.06608	2
WERE	GETTY	1	35	-0.02301	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.04317	-0.06618	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.06172	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.06172	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.05462	-0.06184	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.05462	-0.06184	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.06184	2
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00722	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.06157	2
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.02328	-0.0559	2
WERE	CITY OF WELLINGTON	6	15.6	-0.03262	WERE	CLAY CENTER JUNCTION	1	9999	0.01869	-0.05131	3
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	0.00462	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.0545	-0.04988	3
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	0.00462	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.04988	3
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	0.00462	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.05462	-0.05	3
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	0.00462	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.04973	3
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.05039	3
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.04317		3
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.05029	3:
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47		WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.04317	-0.05039	3:
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20		WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30			3
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21			HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30		-0.04816	3
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20		WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.04816	3
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21			HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30		-0.04816	3
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20		WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20		-0.04828	3
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21		WERE	HUTCHINSON ENERGY CENTER UNIT 3	Ti Ti	20	0.05462	-0.04828	3
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20			HUTCHINSON ENERGY CENTER UNIT 4	1	150		-0.04801	3
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.05435	-0.04801	3
WERE	GETTY	1	35			ABILENE ENERGY CENTER GAS TURBINE 1	+	40		-0.04601	3
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20			HUTCHINSON ENERGY CENTER UNIT 3	1	20		-0.04629	3
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22			HUTCHINSON ENERGY CENTER UNIT 3	1	20		-0.04487	3
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24			HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30			3
AAFIZE	JELLINEL CHIER ONLL	11	24			TE SYSTEM IMPACT STILDY (SDD-2006-AG1-ASIS)	11	30	0.0545	-0.04407	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE JEFFREY ENREGY CENTER UNIT 1 1 24 0.00983 WERE HUTCHINSON ENREGY CENTER UNIT 3 1 20 0.05482 -0.04475 WERE JEFFREY ENREGY CENTER UNIT 2 1 20 0.00973 WERE HUTCHINSON ENREGY CENTER UNIT 3 1 150 0.05483 -0.044875 WERE JEFFREY ENREGY CENTER UNIT 2 1 20 0.00973 WERE HUTCHINSON ENREGY CENTER GAS TURBINE 2 1 30 0.0548 -0.04475 WERE JEFFREY ENREGY CENTER UNIT 3 1 20 0.00973 WERE HUTCHINSON ENREGY CENTER GAS TURBINE 3 1 30 0.0548 -0.04475 WERE JEFFREY ENREGY CENTER UNIT 3 1 22 0.00975 WERE HUTCHINSON ENREGY CENTER GAS TURBINE 3 1 30 0.0548 -0.04475 WERE JEFFREY ENREGY CENTER UNIT 3 1 22 0.00975 WERE HUTCHINSON ENREGY CENTER GAS TURBINE 3 1 30 0.0548 -0.04476 WERE JEFFREY ENREGY CENTER UNIT 3 1 22 0.00975 WERE HUTCHINSON ENREGY CENTER GAS TURBINE 3 1 30 0.0548 -0.04476 WERE JEFFREY ENREGY CENTER UNIT 3 1 22 0.00975 WERE HUTCHINSON ENREGY CENTER GAS TURBINE 3 1 30 0.0548 -0.04476 WERE JEFFREY ENREGY CENTER UNIT 3 1 22 0.00975 WERE HUTCHINSON ENREGY CENTER GAS TURBINE 3 1 30 0.0548 -0.04476 WERE CITY OF WELLINGTON 6 15.6 -0.03202 WERE HUTCHINSON ENREGY CENTER UNIT 4 1 150 0.05435 -0.0446 WERE CITY OF WELLINGTON 6 15.6 -0.03202 WERE JEFFREY ENREGY CENTER UNIT 1 470 0.00983 -0.0446 WERE CITY OF WELLINGTON 6 15.6 -0.03202 WERE JEFFREY ENREGY CENTER UNIT 1 470 0.00993 -0.04236 WERE GETTY 1 35 0.03202 WERE JEFFREY ENREGY CENTER UNIT 3 1 470 0.00973 -0.04237 WERE CITY OF WELLINGTON 6 15.6 -0.03202 WERE JEFFREY ENREGY CENTER UNIT 3 1 470 0.00973 -0.04237 WERE CITY OF WELLINGTON 6 15.6 -0.03202 WERE JEFFREY ENREGY CENTER UNIT 7 1 55 0.0003 -0.04236 WERE CITY OF WELLINGTON 6 15.6 -0.03202 WERE JEFFREY ENREGY CENTER UNIT 7 1 55 0.0003 -0.04237 WERE CITY OF WELLINGTON 6 15.6 -0.03202 WERE JEFFREY ENREGY CENTER UNIT 7 1 55 0.0003 -0.03802 WERE LAWRENCE ENREGY CENTER UNIT 5 1 26.66655 0.00402 WERE JEFFREY ENREGY CENTER UNIT 7 1 55 0.0003 -0.03802 WERE LAWRENCE ENREGY CENTER UNIT 5 1 26.66655 0.00402 WERE JEFFREY ENREGY CENTER UNIT 5 1 26.66655 0.00402 WERE JEFFREY ENREGY CENTER UNIT 5 1 26.66655 0.00402 WERE JEFFREY ENREGY CENTER U	WERE	JEFFREY ENERGY CENTER UNIT 1 1	2	4 0.00983	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.0545	-0.04467	36
WERE JEFFREY ENERGY CENTER UNIT 1 1 24 0.00983 WERE HUTCHINSON ENERGY CENTER UNIT 1 1 150 0.05435 -0.04452 WERE JEFFREY ENERGY CENTER UNIT 2 1 20 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 30 0.0543 -0.04457 WERE JEFFREY ENERGY CENTER UNIT 2 1 20 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 30 0.0543 -0.04476 WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.00979 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 150 0.05435 -0.04467 WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.00979 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 150 0.0543 -0.04467 WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 30 0.0544 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 30 0.0544 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 30 0.0544 -0.04476 WERE CITY OF WELLINGTON 6 156 -0.03262 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.00973 -0.04427 WERE CITY OF WELLINGTON 6 156 -0.03262 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.00973 -0.04237 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00973 -0.04237 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.03262 WERE GETTY OF WELLINGTON 6 156 -0.032							1				36
WERE JEFFREY ENERGY CENTER UNIT 2 1 1 20 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 30 0.0545 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 2 1 1 20 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 30 0.0545 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 1 22 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 30 0.0545 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 1 22 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 30 0.0545 -0.04476 WERE JEFFREY ENERGY CENTER UNIT 3 1 1 22 0.00979 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 30 0.0545 -0.04476 WERE GITV OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER GAS TURBINE 3 1 30 0.0545 -0.04476 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00993 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00993 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00997 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00997 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00997 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00997 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00997 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00997 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00997 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00997 -0.04245 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 55 0.0060 -0.03862 WERE LAWRENCE ENERGY CENTER UNIT 5 1 28.88560 0.00462 WERE BJU -CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03865 WERE LAWRENCE ENERGY CENTER UNIT 5 1 28.88560 0.00462 WERE BJU -CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03865 WERE LAWRENCE ENERGY CENTER UNIT 5 1 28.88560 0.00462 WERE BJU -CITY OF MCPHERSON GAS							1				36
WERE JEFFREY ENERGY CENTER UNIT 2 1 20 0.00975 WERE HUTCHINSON ENERGY CENTER LOWERS (CHECK UNIT 3 1 2 0.00975 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 150 0.05435 -0.04745 WERE JEFFREY ENERGY CENTER UNIT 3 1 2 2 0.00975 WERE HUTCHINSON ENERGY CENTER CAST UNBINE 2 1 30 0.0544 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 2 2 0.00975 WERE HUTCHINSON ENERGY CENTER CAST UNBINE 2 1 30 0.0545 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 2 2 0.00975 WERE HUTCHINSON ENERGY CENTER CAST UNBINE 3 1 30 0.0545 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 2 2 0.00975 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 150 0.05435 -0.0446 WERE GITY OF WELLINGTON 6 6 15.6 -0.03282 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.00985 -0.0446 WERE GITY OF WELLINGTON 6 6 15.6 -0.03282 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00975 -0.04237 WERE GITY OF WELLINGTON 6 6 15.6 -0.03282 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00975 -0.04237 WERE GITY OF WELLINGTON 6 6 15.6 -0.03282 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 -0.00975 WERE GITY OF WELLINGTON 6 6 15.6 -0.03282 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 -0.03682 WERE GITY OF WELLINGTON 6 6 15.6 -0.03282 WERE GITY OF WELLINGTON 6 1 5.6 -0.03282 WERE JEFFREY WEREGY CENTER UNIT 7 1 55 0.0062 -0.03682 WERE GITY OF WELLINGTON 6 1 5.6 -0.03282 WERE TECOMASHE HENROY CENTER UNIT 7 1 55 0.0062 -0.03882 WERE GITY OF WELLINGTON 6 1 5.6 -0.03282 WERE TECOMASHE HENROY CENTER UNIT 7 1 55 0.0062 -0.03882 WERE GITY OF WELLINGTON 6 1 5.6 -0.03282 WERE TECOMASHE HENROY CENTER UNIT 7 1 55 0.0062 -0.03882 WERE GITY OF WELLINGTON 6 1 5.6 0.03282 WERE TECOMASHE HENROY CENTER UNIT 7 1 50 0.0064 -0.03282 WERE GITY OF WELLINGTON 6 1 5.6 0.03282 WERE TECOMASHE HENROY CENTER UNIT 8 1 103 0.004317 -0.03855 WERE GITY OF WELLINGTON 6 1 5.6 0.03282 WERE TECOMASHE HENROY CENTER UNIT 8 1 1 30 0.04317 -0.03855 WERE GITY OF WELLINGTON 6 1 5.6 0.03282 WERE TECOMASHE HENROY CENTER GAST UNBINE 1 1 2 8.68856 0.00482 WERE BUT OF TOP OF PROPHERSON GAST UNBINE 1 1 30 0.04317 -0.03855 WERE GITY OF WELLINGTON 6 1 5.6 0.03282 WE							1				36
WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.09975 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 50 0.05435 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.09975 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 30 0.0546 -0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.09975 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 30 0.0546 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 -0.04475 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURBINE 3 1 50 0.0545 WERE GAS TURB							1				36
WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.00975 WERE HUTCHINSON ENERGY CENTER CAS TURBINE 2 1 30 0.0445 0.04475 WERE JEFFREY ENERGY CENTER UNIT 3 1 22 0.00975 WERE HUTCHINSON ENERGY CENTER CRIT 1 1 150 0.0545 0.04475 WERE JEFFREY ENERGY CENTER UNIT 1 1 150 0.0545 0.04475 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.00938 0.04246 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.00937 0.04237 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00975 0.04237 WERE GETTY 1 35 0.02301 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00975 0.04237 WERE GETTY 1 1 35 0.02301 WERE CLAY CENTER JUNCTION 1 9999 0.01689 0.0417 WERE CITY OF WELLINGTON 6 15.6 0.03262 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.0062 0.03862 WERE JEFFREY ENERGY CENTER UNIT 5 1 26.88869 0.00462 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.00431 0.03865 WERE JEFFREY ENERGY CENTER UNIT 5 1 26.88869 0.00462 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.00431 0.03865 WERE JEFFREY ENERGY CENTER UNIT 5 1 26.88869 0.00462 WERE JEFFREY ENERGY CENTER UNIT 8 1 103 0.00431 0.03865 WERE JEFFREY ENERGY CENTER UNIT 5 1 26.88869 0.00462 WERE JEFFREY ENERGY CENTER UNIT 5 1 20.00431 0.03865 WERE JEFFREY ENERGY CENTER UNIT 5 1 26.88869 0.00462 WERE JEFFR							1				36
WERE   JEFFREY ENERGY CENTER UNIT 3   1   22   0.00975 WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   3   0.0645   0.04475							1				36
WERE   JEFFREY ENERGY CENTER UNIT 3   1   22   0.09975   WERE   HUTCHINSON ENERGY CENTER UNIT 4   1   150   0.09435   -0.0446   156   -0.03262   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LEFFREY ENERGY CENTER UNIT 1   1   470   0.09983   -0.04237   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LEFFREY ENERGY CENTER UNIT 2   1   470   0.09975   0.04237   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LEFFREY ENERGY CENTER UNIT 3   1   470   0.00975   0.04237   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   CLAY CENTER UNIT 3   1   470   0.00976   0.04237   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   CLAY CENTER UNIT 7   1   55   0.0062   -0.03862   WERE   CLAY CENTER UNIT 8   1   103   0.0062   -0.03862   WERE   CLAY CENTER UNIT 8   1   103   0.0062   -0.03862   WERE   CLAY CENTER UNIT 8   1   103   0.0062   -0.03862   WERE   CLAY CENTER UNIT 8   1   103   0.0062   -0.03862   WERE   CLAY CENTER UNIT 8   1   103   0.0062   -0.03862   WERE   CLAYRENGE ENERGY CENTER UNIT 8   1   103   0.0062   -0.03862   WERE   CLAYRENGE ENERGY CENTER UNIT 5   1   26.86866   0.00462   WERE   BIPU - CITY OF MCPHERSON GAS TURBINE 1   1   30   0.04317   -0.03855   WERE   CLAYRENGE ENERGY CENTER UNIT 5   1   26.86866   0.00462   WERE   BIPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03855   WERE   CLAYRENGE ENERGY CENTER UNIT 5   1   26.86866   0.00462   WERE   BIPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03855   WERE   CLAYRENGE ENERGY CENTER UNIT 5   1   26.86866   0.00462   WERE   BIPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03855   WERE   CLAYRENGE ENERGY CENTER UNIT 5   1   20   0.00444   -0.03706   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   CLAYRENGE ENERGY CENTER UNIT 3   1   30   0.04414   -0.03706   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   CLAYRENGE ENERGY CENTER UNIT 3   1   30   0.04317   -0.03855   WERE   TECUMSEH ENERGY CENTER GAS TURBINE 1   2   2   0.00634   WERE   BIPU - CITY OF M							1				36
WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.00973 -0.04237 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE JEFFREY ENERGY CENTER UNIT 2 1 1 470 0.00973 -0.04237 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00973 -0.04237 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00973 -0.04237 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE JEFFREY ENERGY CENTER UNIT 7 1 55 0.0026 -0.03862 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE TECUMSEH ENERGY CENTER UNIT 7 1 55 0.0026 -0.03862 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE TECUMSEH ENERGY CENTER UNIT 8 1 103 0.00437 -0.03855 WERE LAWRENCE ENERGY CENTER UNIT 5 1 26.86856 0.00462 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03855 WERE LAWRENCE ENERGY CENTER UNIT 5 1 26.86856 0.00462 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 30 0.04317 -0.03855 WERE LAWRENCE ENERGY CENTER UNIT 5 1 26.86856 0.00462 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 50 0.04307 -0.03854 WERE LAWRENCE ENERGY CENTER UNIT 5 1 26.86856 0.00462 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 50 0.04307 -0.03854 WERE LAWRENCE ENERGY CENTER UNIT 5 1 26.86856 0.00462 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 50 0.04307 -0.03854 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 50 0.04307 -0.03854 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 20 0.04317 -0.03855 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE LAWRENCE ENERGY CENTER UNIT 3 1 3 0.00444 -0.03706 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 7.5 0.00444 -0.03706 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03863 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2 1 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03863 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2 1 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03863 WERE TECU							1				36
WERE							1				37
WERE GETY   1   35   0.0328/WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.00975   0.04277   WERE GETY   1   35   0.02301 WERE   CLAY CENTER JUNIT 3   1   470   0.00975   0.04237   WERE CITY OF WELLINGTON   6   15.6   -0.03262 WERE   TECUMSEH ENERGY CENTER UNIT 7   1   55   0.0062   -0.03862   WERE CITY OF WELLINGTON   6   15.6   -0.03262 WERE   TECUMSEH ENERGY CENTER UNIT 7   1   55   0.0062   -0.03862   WERE LAWRENCE ENERGY CENTER UNIT 5   1   26.86865   0.00462 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   30   0.04317   -0.03855   WERE LAWRENCE ENERGY CENTER UNIT 5   1   26.86865   0.00462 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03855   WERE LAWRENCE ENERGY CENTER UNIT 5   1   26.86865   0.00462 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03855   WERE LAWRENCE ENERGY CENTER UNIT 5   1   26.86865   0.00462 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03855   WERE LAWRENCE ENERGY CENTER UNIT 5   1   26.86865   0.00462 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03855   WERE GITY OF WELLINGTON   6   15.6   -0.03262 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   20   0.04317   -0.03855   WERE GITY OF WELLINGTON   6   15.6   -0.03262 WERE   LAWRENCE ENERGY CENTER UNIT 3   1   30   0.00444   -0.03706   WERE GITY OF WELLINGTON   6   15.6   -0.03262 WERE   LAWRENCE ENERGY CENTER UNIT 5   1   24.21314   0.00442   -0.03706   WERE GITY OF WELLINGTON   6   15.6   -0.03262 WERE   LAWRENCE ENERGY CENTER UNIT 5   1   24.21314   0.00462   -0.03704   WERE GITY OF WELLINGTON   6   15.6   -0.03262 WERE   LAWRENCE ENERGY CENTER UNIT 5   1   24.21314   0.00462   -0.03704   WERE GITY OF WELLINGTON   6   15.6   -0.03264 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   30   0.04317   -0.0363   WERE GITY OF WELLINGTON   6   15.6   -0.03264 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   30   0.04317   -0.0363   WERE GITY OF WELLINGTON   6   15.6   -0.03264 WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   30   0.04317							1				38
WERE   GETTY							1				38
WERE							1				38
WERE							1				41
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   26.86856   0.00462   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   30   0.04317   -0.03855   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   26.86856   0.00462   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03855   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   26.86856   0.00462   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03855   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   26.86856   0.00462   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03845   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   30   0.04317   -0.03855   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   30   0.0444   -0.03706   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   7.5   0.00444   -0.03706   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   7.5   0.00444   -0.03706   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   1   20   0.0634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55							1				41
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   26.86856   0.00462   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03855   -0.00462   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   26.86856   0.00462   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03845   -0.03462   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   30   0.00444   -0.03706   -0.03845   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   30   0.00444   -0.03706   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   75   0.00444   -0.03706   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   75   0.00444   -0.03706   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   242.1314   0.00462   -0.03726   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03863   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03873   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03873   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317							1				41
WERE   LAWRENCE ENERGY CENTER UNIT 5   1							1				41
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   26.86856   0.00462   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03855   WERE   CITY OF WELLINGTON   6   15.6   -0.03262   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   30   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.03706   0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444   -0.00444							1				41
WERE         CITY OF WELLINGTON         6         15.6         -0.03262 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         30         0.00444         -0.03706           WERE         CITY OF WELLINGTON         6         15.6         -0.03262 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00444         -0.03706           WERE         CITY OF WELLINGTON         6         15.6         -0.03262 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00444         -0.03702           WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         1         20         0.00634 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.04317         -0.03683           WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         2         21         0.00634 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.04317         -0.03683           WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         2         2         1         0.00634 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317         -0.03683           WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         2         2         1         0.00634 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2							1				41
WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE LAWRENCE ENERGY CENTER UNIT 4 1 75 0.00444 -0.03706 WERE CITY OF WELLINGTON 6 15.6 -0.03262 WERE LAWRENCE ENERGY CENTER UNIT 5 1 242.1314 0.00462 -0.03726 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 1 20 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03683 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 2 21 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03683 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 2 21 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03683 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 2 21 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 30 0.04317 -0.03683 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 2 2 11 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 30 0.04317 -0.03683 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 2 2 11 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 30 0.04317 -0.03683 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 1 20 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 55 0.04307 -0.03673 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 1 20 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 55 0.04307 -0.03673 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 1 20 0.00634 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 55 0.04307 -0.03673 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 1 20 0.00634 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 20 0.04317 -0.03683 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 1 20 0.00634 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 20 0.04317 -0.03683 WERE TECUMSEH ENERGY CENTER GAS TURBINES 1 8 2 2 2 10 0.00634 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 20 0.04317 -0.03683 WERE CLAY CENTER JUNCTION 1 28.7 0.01869 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 30 0.0545 -0.03561 WERE CLAY CENTER JUNCTION 1 28.7 0.01869 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 30 0.0545 -0.03561 WERE CLAY CENTER JUNCTION 1 28.7 0.01869 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 30 0.0545 -0.03561 WERE CLAY CENTER JUNCTION 1							1				43
WERE							1	75			43
WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   1   20   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   1   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   1   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   20   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   1   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   2   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   2   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   4   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   4   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE   1   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE   1   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE   1   30   0.0546   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE   1   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS							1	242 1314			43
WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   1   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   1   20   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   1   20   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   1   20   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 2   1   30   0.0545   -0.03561   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   1   30   0.0545   -0.03561   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   1   30   0.0545   -0.03561   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   1   30   0.0545   -0.03561   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER UNIT 1   1   470   0.00963   -0.03561   0.03561   0.03561   0.03561   0.03561   0.03561   0.03561   0.03561   0.03561   0.03561   0.03561							1				43
WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   1   20   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   2   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   2   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   20   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   4   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE   4   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8.2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE   2   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE   3   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE   1   30   0.0545   -0.03593   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE   1   1   1   1   1   1   1   1   1							1				43
WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   21   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 2   1   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   1   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER UNIT 3   1   20   0.05462   -0.03583   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER UNIT 3   1   20   0.05462   -0.03583   WERE   GETTY   1   35   -0.02301   WERE   HUTCHINSON ENERGY CENTER UNIT 1   1   470   0.00983   -0.03264   WERE   GETTY   1   35   -0.02301   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   30   0.04317   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.00983   WERE   JEFFREY ENERGY CENTER UNIT 1   1   24   0.00983   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   24   0.00983   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   24   0.00983   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   55   0.04307   -0.							1				43
WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         1         20         0.0634 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.04307         -0.03673           WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         2         21         0.0634 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.04307         -0.03673           WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         2         0.0634 WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         20         0.04317         -0.03683           WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         2         21         0.00634 WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         20         0.04317         -0.03683           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         30         0.0545         -0.03581           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON BNERGY CENTER GAS TURBINE 3         1         30         0.0545         -0.03581           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON BNERGY CENTER UNIT 3         1         20 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>43</td>							1				43
WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8 2   2   2   0.00634   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   55   0.04307   -0.03673   WERE   TECUMSEH ENERGY CENTER GAS TURBINES   8 2   2   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 2   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   1   30   0.0546   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   1   20   0.05465   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER UNIT 3   1   20   0.05465   -0.03568   WERE   GETTY   1   35   -0.02301   WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.00983   -0.03284   WERE   JEFFREY ENERGY CENTER UNIT 1   1   30   0.04317   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   30   0.04317   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   30   0.04317   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   24   0.00983   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   24   0.00983   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   30   0.04317   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   25   0.04307   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   55   0.04307   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   55   0.04307   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   55   0.04307   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   55   0.04307   -0.03334   WERE   JEFFREY ENERGY CENTER UNIT 1   1   55   0.04307   -0.03334   WERE   JEFFREY ENERGY C							1				43
WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         1         20         0.0634         WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         20         0.04317         -0.03683           WERE         TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2         2         2         1         0.00634         WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         20         0.04317         -0.03681           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869         WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         30         0.0545         -0.03581           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869         WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         30         0.0545         -0.03581           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869         WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         20         0.05462         -0.03581           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869         WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         20         0.05462         -0.03583           WERE         GETTY         1         35         -0.02301         WE							1				43
WERE   TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2   2   1   0.00634   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   20   0.04317   -0.03683   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 2   1   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON BNERGY CENTER GAS TURBINE 3   1   30   0.0545   -0.03581   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   1   20   0.05462   -0.03583   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER UNIT 3   1   20   0.05462   -0.03593   WERE   CLAY CENTER JUNCTION   1   28.7   0.01869   WERE   HUTCHINSON ENERGY CENTER UNIT 4   1   150   0.05453   -0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564   0.03564							1				43
WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         30         0.0545         -0.03581           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         30         0.0545         -0.03581           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         20         0.05462         -0.03593           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         150         0.05462         -0.03593           WERE         GETTY         1         35         -0.02301 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.00983         -0.03284           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04307         -0.03324							1				43
WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         30         0.0545         -0.03581           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         20         0.05452         -0.03568           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         150         0.05435         -0.03568           WERE         GETTY         1         35         -0.02301 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.00983         -0.03244           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317         -0.03324           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04307         -0.03324 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>44</td>							1				44
WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         20         0.05462         -0.03593           WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         150         0.05455         -0.03301           WERE         GETTY         1         35         -0.02301 WERE         JEFFREY SENERGY CENTER UNIT 1         1         470         0.00983         -0.03301 WERE           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317         -0.03324           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         50         0.04307         -0.03324							1				44
WERE         CLAY CENTER JUNCTION         1         28.7         0.01869 WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         150         0.05435         -0.03566           WERE         GETTY         1         35         -0.02301 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.00983         -0.03284           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.04307         -0.03324							1				44
WERE         GETTY         1         35         -0.02301 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.00983 -0.03284           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.04317 -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317 -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.00983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.04307 -0.03324							1				45
WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.0983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.0983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.0983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.04307         -0.03324							1				48
WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.0983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         30         0.04317         -0.03334           WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.0983 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.04307         -0.03324							1				48
WERE JEFFREY ENERGY CENTER UNIT 1 1 24 0.00983 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 55 0.04307 -0.03324							1				48
							1	55			48
WERE JEFFREY ENERGY CENTER UNIT 1 1 24 0.00983 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 20 0.04317 -0.03334	WERE	JEFFREY ENERGY CENTER UNIT 1 1				BPU - CITY OF MCPHERSON STEAM PLANT	1	20		-0.03334	48
WERE JEFFREY ENERGY CENTER UNIT 2 1 20 0.00975 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 30 0.04317 -0.03342							1				48
WERE JEFFREY ENERGY CENTER UNIT 2 1 20 0.00975 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 30 0.04317 -0.03342							1	30			48
WERE JEFFREY ENERGY CENTER UNIT 2 1 20 0.00975 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 55 0.04307 -0.03332							1				48

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1 MIDIAN (MIDIAN1X) 138/69/13.2KV TRANSFORMER CKT 1

Direction:

From-To
BUTLER 138/69KV TRANSFORMER CKT 1 & CKT 2
MIDDIAN1X1421BUTLER1206SP Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief
Reservation	Relief Amount	Amount
1032990	2.5	6.6
1032990	2.0	6.6
1032993	0.8	6.6
1033723	0.8	6.6
1034312	0.5	6.6
Source Control Area	Source	Source Id

1034312	0.5	6.6									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control	L		Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)		Factor	(MW)
WERE	GETTY	1	35			ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.00018		
WERE	GETTY	1	35			BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30			
WERE	GETTY	1	35			BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			
WERE	GETTY	1	35	-0.71976		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55			
WERE	GETTY	1	35	-0.71976		BPU - CITY OF MCPHERSON STEAM PLANT	1	20			/ !
WERE	GETTY	1	35	-0.71976	WERE	CHANUTE GENERATION SUB	14	42.755	0.00841	-0.72817	/
WERE	GETTY	1	35	-0.71976		CITY OF ERIE	1	20	0.00841		
WERE	GETTY	1	35	-0.71976	WERE	CITY OF WELLINGTON	6	11.50201	-0.01978	-0.69998	3
WERE	GETTY	1	35	-0.71976	WERE	CITY OF WELLINGTON	5	20	-0.01978	-0.69998	3
WERE	GETTY	1	35	-0.71976	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00836	-0.7114	4
WERE	GETTY	1	35	-0.71976	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00836	-0.7114	4
WERE	GETTY	1	35	-0.71976	WERE	EVANS ENERGY CENTER UNIT 1	1	84.38041	-0.00833	-0.71143	3
WERE	GETTY	1	35	-0.71976	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00833	-0.71143	3
WERE	GETTY	1	35	-0.71976	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.01315	-0.70661	
WERE	GETTY	1	35	-0.71976	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.01195	-0.70781	
WERE	GETTY	1	35	-0.71976	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.01155	-0.70821	1
WERE	GETTY	1	35	-0.71976	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	-0.00064	-0.71912	2
WERE	GETTY	1	35	-0.71976	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00012	-0.71988	3
WERE	GETTY	1	35	-0.71976	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00009	-0.71985	! أَدُ
WERE	GETTY	1	35	-0.71976	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00009	-0.71985	! أَذَ
WERE	GETTY	1	35	-0.71976	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.00005	-0.71981	1
WERE	GETTY	1	35	-0.71976	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00005	-0.71981	
WERE	GETTY	1	35	-0.71976	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	229.4697	-0.00002	-0.71974	4
WERE	GETTY	1	35	-0.71976	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00016	-0.71992	2
WERE	GETTY	1	35	-0.71976	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00016	-0.71992	2
WERE	GETTY	1	35	-0.71976	WERE	WACO	1	17.97	-0.01123	-0.70853	3
WERE	GETTY	1	35	-0.71976	WERE	CITY OF WINFIELD	1	26.6			2 10
	aximum Increment were determine from the Source and Sin	k Operating B									

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: OAK - RAINBOW 69KV CKT 1 OAK - RAINBOW 69KV CKT 1

OAK - PRINDOW USIN USIN 1 From->To OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1 57547575491575475755612306SP Line Outage:

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief
Reservation	Relief Amount	Amount
1032990	1.3	6.9
1032990	1.8	6.9
1032990	1.3	6.9
1032993	0.6	6.9
1033723	0.6	6.9
1034312	1.4	6.9

10337		6.9									
10343	1.4	0.8	Maximum		Sink		1	Maximum	1	1	Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	14.8	-0.70099		CITY OF WELLINGTON	6	19.5			
WERE	CITY OF WINFIELD	1	14.8	-0.70099		CITY OF WELLINGTON	5	20			
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		CITY OF WELLINGTON	6	19.5			5
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		CITY OF WELLINGTON	5	20			5
WERE	CITY OF WINFIELD	1	14.8	-0.70099		ABILENE ENERGY CENTER GAS TURBINE 1	1	40			9
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		ABILENE ENERGY CENTER GAS TURBINE 1	1	40			9
WERE	CITY OF WINFIELD	1	14.8	-0.70099		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30			2
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30			2
WERE	CITY OF WINFIELD	1	14.8	-0.70099		BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			2
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			2
WERE	CITY OF WINFIELD	1	14.8	-0.70099		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55			2
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		BPU - CITY OF MCPHERSON GAS TURBINE 4	11	55			2 1
WERE	CITY OF WINFIELD	1	14.8	-0.70099		BPU - CITY OF MCPHERSON STEAM PLANT	1	20			2
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		BPU - CITY OF MCPHERSON STEAM PLANT	11	20	-0.00217		2
WERE	CITY OF WINFIELD	1	14.8	-0.70099		CHANUTE GENERATION SUB	14	42.755	-0.00251		3
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		CHANUTE GENERATION SUB	14	42.755	-0.00251		
WERE	CITY OF WINFIELD	1	14.8	-0.70099		CITY OF ERIE	1	20	-0.00251		3
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		CITY OF ERIE	1	20	-0.00251		3
WERE	CITY OF WINFIELD	1	14.8	-0.70099		EVANS ENERGY CENTER GAS TURBINE 2	1	25			3
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		EVANS ENERGY CENTER GAS TURBINE 2	1	25			3
WERE	CITY OF WINFIELD	1	14.8	-0.70099		EVANS ENERGY CENTER UNIT 2	1	305			2
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		EVANS ENERGY CENTER UNIT 2	1	305			2
WERE	CITY OF WINFIELD	1	14.8	-0.70099		GILL ENERGY CENTER UNIT 3	1	78			1
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		GILL ENERGY CENTER UNIT 3	1	78			1
WERE	CITY OF WINFIELD	1	14.8	-0.70099		GILL ENERGY CENTER UNIT 4	1	77		-0.6979	9
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		GILL ENERGY CENTER UNIT 4	1	77			
WERE	CITY OF WINFIELD	1	14.8	-0.70099		HUTCHINSON ENERGY CENTER UNIT 4	1	120			1
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		HUTCHINSON ENERGY CENTER UNIT 4	1	120			1
WERE	CITY OF WINFIELD	1	14.8	-0.70099		JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252		7
WERE	CITY OF WINFIELD	T	10.2	-0.70099		JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252		7
WERE	CITY OF WINFIELD	1	14.8	-0.70099		JEFFREY ENERGY CENTER UNIT 2	1	470			3
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	1	14.8	-0.70099		JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251		
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251		
WERE	CITY OF WINFIELD	1	14.8	-0.70099		LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00247		2
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		LAWRENCE ENERGY CENTER UNIT 3	1	25			2
WERE	CITY OF WINFIELD	1	14.8	-0.70099		LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247		2
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247		2
WERE	CITY OF WINFIELD	1	14.8	-0.70099		LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00251		3
WERE	CITY OF WINFIELD	Т	10.2	-0.70099		LAWRENCE ENERGY CENTER UNIT 5	1	237.6806	-0.00251		3
WERE	CITY OF WINFIELD	1	14.8	-0.70099		TECUMSEH ENERGY CENTER UNIT 7	1	40			3
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		TECUMSEH ENERGY CENTER UNIT 7	11	40	-0.00256		3
WERE	CITY OF WINFIELD	1	14.8	-0.70099		TECUMSEH ENERGY CENTER UNIT 8	1	87.52811	-0.00256		
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		TECUMSEH ENERGY CENTER UNIT 8	11	87.52811	-0.00256		
WERE	CITY OF WINFIELD	1	14.8	-0.70099		WACO	1	17.97	-0.00323		
WERE	CITY OF WINFIELD	Ť	10.2	-0.70099		WACO	1	17.97			

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

		Aggregate Relief
Reservation	Relief Amount	Amount
1032990	0.7	3.2
1032990	0.7	3.2
1032990	0.4	3.2
1032993	0.3	3.2
1033723	0.3	3.2
1034312	0.8	3.2

1034312	2 0.8	3.2									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id		GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	25	-0.70099		CITY OF WELLINGTON	5	20			
WERE	CITY OF WINFIELD	T	10.2	-0.70099		CITY OF WELLINGTON	5	20			
WERE	CITY OF WINFIELD	1	25			ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024		
WERE	CITY OF WINFIELD	T	10.2	-0.70099		ABILENE ENERGY CENTER GAS TURBINE 1	1	40	-0.0024		
WERE	CITY OF WINFIELD	1	25	-0.70099		CHANUTE GENERATION SUB	14	33.658	-0.00251		
WERE	CITY OF WINFIELD	T	10.2	-0.70099		CHANUTE GENERATION SUB	14	33.658	-0.00251		
WERE	CITY OF WINFIELD	1	25	-0.70099		CITY OF ERIE	1	20	-0.00251		
WERE	CITY OF WINFIELD	T	10.2	-0.70099		CITY OF ERIE	1	20	-0.00251		
WERE	CITY OF WINFIELD	1	25	-0.70099		EVANS ENERGY CENTER UNIT 2	1	305	-0.00447		
WERE	CITY OF WINFIELD	T	10.2	-0.70099		EVANS ENERGY CENTER UNIT 2	1	305	-0.00447		
WERE	CITY OF WINFIELD	1	25	-0.70099		GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00255		
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00255	-0.69844	1 5
WERE	CITY OF WINFIELD	1	25	-0.70099		GILL ENERGY CENTER UNIT 4	1	77	-0.00309		
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00309	-0.6979	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00208	-0.69891	5
WERE	CITY OF WINFIELD	Т	10.2	-0.70099	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.00208	-0.69891	
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	7 5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00252	-0.69847	7 5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	3
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	-0.00251	-0.69848	3 5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	3 5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	-0.00251	-0.69848	5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	2 5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00247	-0.69852	2 5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00251	-0.69848	3 5
WERE	CITY OF WINFIELD	Т	10.2	-0.70099	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	-0.00251	-0.69848	3 5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	3 5
WERE	CITY OF WINFIELD	Т	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00256	-0.69843	3 5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00256	-0.69843	3 5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00256	-0.69843	3 5
WERE	CITY OF WINFIELD	1	25	-0.70099	WERE	WACO	1	17.964	-0.00323	-0.69776	6 5
WERE	CITY OF WINFIELD	T	10.2	-0.70099	WERE	WACO	1	17.964	-0.00323	-0.69776	6 5
WERE	GETTY	1	35	-0.01776	WERE	CITY OF WELLINGTON	5	20	0.06276	-0.08052	39

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

F					T					
WERE	EVANS ENERGY CENTER GAS TURBINE 1 1			46 WERE	CITY OF WELLINGTON	5	20			47
WERE	EVANS ENERGY CENTER GAS TURBINE 2 1			46 WERE	CITY OF WELLINGTON	5	20	0.06276		47
WERE	EVANS ENERGY CENTER GAS TURBINE 3 1			46 WERE	CITY OF WELLINGTON	5	20	0.06276		47
WERE	EVANS ENERGY CENTER UNIT 1 1		151 -0.004	47 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06723	47
WERE	EVANS ENERGY CENTER UNIT 2 1		23 -0.004	47 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06723	47
WERE	GILL ENERGY CENTER UNIT 3 1	47.3		55 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06531	48
WERE	JEFFREY ENERGY CENTER UNIT 1 1		24 -0.002	52 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06528	48
WERE	JEFFREY ENERGY CENTER UNIT 2 1		20 -0.002	51 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	48
WERE	JEFFREY ENERGY CENTER UNIT 3 1		22 -0.002	51 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	48
WERE	LAWRENCE ENERGY CENTER UNIT 3 1		59 -0.002	47 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06523	48
WERE	LAWRENCE ENERGY CENTER UNIT 4 1	19.0	0.002	47 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06523	48
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.	692 -0.002	51 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06527	48
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 1		20 -0.002	56 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	48
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2 2		21 -0.002	56 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	48
WERE	TECUMSEH ENERGY CENTER UNIT 8 1	37.9	999 -0.002	56 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06532	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1		51 -0.002	17 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1		52 -0.002	17 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1		50 -0.002	17 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		79 -0.002	17 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1		27 -0.002	17 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06493	49
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1		78 -0.002	08 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1		52 -0.002	08 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1		50 -0.002	08 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1		52 -0.002	08 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1		18 -0.002	08 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1		18 -0.002	08 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1		31 -0.002	08 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.9	999 -0.002	08 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06484	49
WERE	NEOSHO ENERGY CENTER UNIT 3 1		67 -0.00	77 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06453	49
WERE	GILL ENERGY CENTER UNIT 1 1		44 -0.000	91 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06367	50
WERE	GILL ENERGY CENTER UNIT 2 1		74 -0.000	93 WERE	CITY OF WELLINGTON	5	20	0.06276	-0.06369	50
Mayimum Degramant and	Maximum Ingrament were determine from the Course and Cink (	Oti D-i-t- i-			1-16 f16 (d66-d	•	•			

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

PENNSYLVANIA - WESTMOORE 138KV CKT 1 PENNSYLVANIA - WESTMOORE 138KV CKT 1 To->From CIMARRON - CZECH HALL 138KV CKT 1 54925548871548985489411307FA 10/1/07 - 12/1/07 Upgrade: Limiting Facility: Direction:

Line Outage: Flowgate: Date Redispatch Needed:

Bato Hodiopaton Hodada.		Aggregate	1								
		Relief									
Reservation	Relief Amount	Amount									
1032973	Reliei Alliount	2.3	-								
1032973	2.3	2.3	Marrimorros		Cink			Maximum			Redispatch
			Maximum		Sink						
			Increment(	005	Control	0: 1	0	Decrement(	005	l	Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
OKGE	SMITH 1G	1	68			MCCLAIN UNIT 1	1	172	0.32184	-0.53474	4
OKGE	SMITH 1G	1	68			MCCLAIN UNIT 2	1	153	0.32184	-0.53474	4
OKGE	SMITH 1G	1	68		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.53474	4
OKGE	SMITH 1S	1	42		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.53474	4
OKGE	SMITH 1S	1	42	-0.2129	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.53474	4
OKGE	SMITH 1S	1	42	-0.2129	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.53474	4
OKGE	MUSTANG 1G	1	53		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.47847	5
OKGE	MUSTANG 1G	1	53	-0.15663	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.47847	5
OKGE	MUSTANG 1G	1	53		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.47847	5
OKGE	MUSTANG 2G	1	53	-0.15663	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.47847	5
OKGE	MUSTANG 2G	1	53		OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.47847	5
OKGE	MUSTANG 2G	1	53		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.47847	5
OKGE	MUSTANG 3G	1	115.5		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.48929	5
OKGE	MUSTANG 3G	1	115.5	-0.16745	OKGE	MCCLAIN UNIT 2	1	153		-0.48929	5
		1					1		0.32184		5
OKGE	MUSTANG 3G	l <u>'</u>	115.5		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.48929	5
OKGE	MUSTANG 4G	1	250	-0.16745	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.48929	5
OKGE	MUSTANG 4G	1	250	-0.16745	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.48929	5
OKGE	MUSTANG 4G	1	250	-0.16745	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.48929	5
OKGE	HORSESHOE LAKE 10 G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 10 G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 10 G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 6G	1	168.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 6G	1	168.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 6G	1	168.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 7G	1	16		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37659	6
OKGE	HORSESHOE LAKE 7G	1	16		OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37659	6
OKGE	HORSESHOE LAKE 7G	1	16		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37659	6
OKGE	HORSESHOE LAKE 7S	1	211.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	- 0
OKGE		1	211.5	-0.055		MCCLAIN UNIT 2	1	153	0.32184		0
	HORSESHOE LAKE 7S	1			OKGE					-0.37684	0
OKGE	HORSESHOE LAKE 7S	1	211.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 8G	1	380.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 8G	1	380.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 8G	1	380.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 9G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 9G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.37684	6
OKGE	HORSESHOE LAKE 9G	1	45.5	-0.055	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.37684	6
OKGE	CONTINENTAL EMPIRE GEN	1	32	0.00078	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	2	32	0.00078	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	1	32	0.00078	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	2	32	0.00078	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	1	32		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32106	7
OKGE	CONTINENTAL EMPIRE GEN	2	32		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32106	7
OKGE	MUSKOGEE 3G	1	166		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32424	7
OKGE	MUSKOGEE 3G	1	166		OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32424	7
OKGE	MUSKOGEE 3G	1	166		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32424	
		1					-				<u> </u>
OKGE	MUSKOGEE 4G	1	20			MCCLAIN UNIT 1	1	172	0.32184	-0.3241	1
OKGE	MUSKOGEE 4G	1	20		OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.3241	<del></del>
OKGE	MUSKOGEE 4G	1	20		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.3241	7
OKGE	MUSKOGEE 6G1	1	31		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32424	7
OKGE	MUSKOGEE 6G1	1	31		OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32424	7
OKGE	MUSKOGEE 6G1	1	31		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32424	7
OKGE	ONE OAK 3&4	1	52		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	2	84		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	1	52	-0.01204	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	2	84		OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	1	52		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33388	7
OKGE	ONE OAK 3&4	2	84		OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33388	7
OKGE	REDBUD GEN	2	234		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	- 7
	REDBUD GEN	2	234		OKGE		1	172	0.32184		- 4
OKGE		4				MCCLAIN UNIT 1	1			-0.33662	<del></del>
OKGE	REDBUD GEN	1	187.65		OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234		OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
OKGE	REDBUD GEN	2	234	-0.01478	UKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662	7
						TE OVOTEN INDAOT OTLIDAY (ODD DOOG AGA AGIO)					

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

OKGE         REDBUD GEN         1         187.69 - 0.01478   OKGE         MCCLAIN UNIT 2         1         153 - 0.32184   -0.336             OKGE         REDBUD GEN         2         2.234 - 0.01478   OKGE         MCCLAIN UNIT 3         1         153 - 0.32184   -0.336             OKGE         REDBUD GEN         2         2.234 - 0.01478   OKGE   MCCLAIN UNIT 3         1         153 - 0.32184   -0.336             OKGE         REDBUD GEN         1         187.69 - 0.01478   OKGE   MCCLAIN UNIT 3         1         153 - 0.32184   -0.336             OKGE         REDBUD GEN         1         187.69 - 0.01478   OKGE   MCCLAIN UNIT 3         1         153 - 0.32184   -0.336             OKGE         REDBUD GEN         1         187.69 - 0.01478   OKGE   MCCLAIN UNIT 3         1         153 - 0.32184   -0.336             OKGE         REDBUD IS         1         187.69 - 0.01478   OKGE   MCCLAIN UNIT 1         1         172 - 0.32184   -0.336             OKGE         REDBUD IS         1         187.69 - 0.01478   OKGE   MCCLAIN UNIT 3         1         153 - 0.32184   -0.336             OKGE         REDBUD IS         1         187.69 - 0.01478   OKGE   MCCLAIN UNIT 3         1         153 - 0.32184   -0.336             OKGE         REDBUD IS         1         187.69 - 0.01478   OKGE   MCCLAIN UNIT 3         1											
ÖKGE         REDBUD GEN         2         234         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           ÖKGE         REDBUD GEN         2         234         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           ÖKGE         REDBUD GEN         1         187.68         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           ÖKGE         REDBUD GEN         1         187.68         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           ÖKGE         REDBUD GEN         1         187.68         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           ÖKGE         REDBUD GEN         1         187.68         -0.01478 [ÖKGE         MCCLAIN UNIT 2         1         155         0.32184         -0.336           ÖKGE         REDBUD GEN         1         187.68         -0.01478 [ÖKGE         MCCLAIN UNIT 2         1         155         0.32184         -0.336           ÖKGE         REDBUD S         1         187.66         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1		REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 2	1			-0.33662 7
OKGE         REDBUD GEN         2         234         -0.01478 (MGE         MCCLAIN UNIT 3         1         1.53         0.32184         -0.3381           OKGE         REDBUD GEN         1         187.65         -0.01478 (MGE         MCCLAIN UNIT 3         1         153         0.32184         -0.3381           OKGE         REDBUD GEN         1         187.65         -0.01478 (MGE         MCCLAIN UNIT 3         1         153         0.32184         -0.3381           OKGE         REDBUDIS         1         187.66         -0.01478 (MGE         MCCLAIN UNIT 2         1         153         0.32184         -0.3361           OKGE         REDBUDIS         1         187.66         -0.01478 (MGE         MCCLAIN UNIT 3         1         153         0.32184         -0.3361           OKGE         REDBUDIS         1         187.66         -0.01478 (MGE         MCCLAIN UNIT 3         1         153         0.32184         -0.3361           OKGE         REDBUDSS         1         187.66         -0.01478 (MGE         MCCLAIN UNIT 2         1         153         0.32184         -0.3361           OKGE         REDBUDSS         1         187.66         -0.01478 (MGE         MCCLAIN UNIT 2         1         153 </td <td>OKGE</td> <td>REDBUD GEN</td> <td>1</td> <td>187.65</td> <td>-0.01478</td> <td>OKGE</td> <td>MCCLAIN UNIT 2</td> <td>1</td> <td>153</td> <td>0.32184</td> <td>-0.33662 7</td>	OKGE	REDBUD GEN	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662 7
ÖKGE         REDBUD GEN         2         234         -0.1478 DKGE         MCCLAN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD GEN         1         187.65         -0.01478 DKGE         MCCLAN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUDIS         1         187.65         -0.01478 DKGE         MCCLAN UNIT 1         1         153         0.32184         -0.336           OKGE         REDBUDIS         1         187.65         -0.01478 DKGE         MCCLAN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUDS         1         187.65         -0.01478 DKGE         MCCLAN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUDSS         1         187.65         -0.01478 DKGE         MCCLAN UNIT 1         1         172         0.32184         -0.336           OKGE         REDBUDSS         1         187.65         -0.01478 DKGE         MCCLAN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUDSS         1         187.65         -0.01478 DKGE         MCCLAN UNIT 1         1         172         0.32	OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662 7
OKGE         REDBUD GEN         1         187.65 - 0.01478   OKGE         MCCLAIN UNIT 3         1         153   0.32184   -0.336             OKGE         REDBUDIS         1         187.65 - 0.01478   OKGE           MCCLAIN UNIT 1         1         172   0.32184   -0.336             OKGE         REDBUDIS         1         187.65   0.01478   OKGE           MCCLAIN UNIT 2         1         153   0.32184   -0.336             OKGE         REDBUDIS         1         187.65   0.01478   OKGE           MCCLAIN UNIT 3         1         153   0.32184   -0.336             OKGE         REDBUDS         1         187.65   0.01478   OKGE           MCCLAIN UNIT 3         1         153   0.32184   -0.336             OKGE         REDBUDS         1         187.65   0.01478   OKGE           MCCLAIN UNIT 3         1         153   0.32184   -0.336             OKGE         REDBUDS         1         187.65   -0.01478   OKGE           MCCLAIN UNIT 3         1         153   0.32184   -0.336             OKGE         REDBUDS         1         187.65   -0.01478   OKGE           MCCLAIN UNIT 3         1         153   0.32184   -0.336             OKGE         REDBUDAS         1         187.65   -0.01478   OKGE           MCCLAIN UNIT 3         1         153   0.32184   -0.336             OKGE         REDB		REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662 7
DKGE   REDBUDIS	OKGE	REDBUD GEN	2	234	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662 7
ÖKGE         REDBUDIS         1         187.65         -0.01478 [ÖKGE         MCCLAIN UNIT 2         1         153         0.32184 - 0.336           OKGE         REDBUDIS         1         187.65         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1         153         0.32184 - 0.336           OKGE         REDBUD2S         1         187.65         -0.01478 [ÖKGE         MCCLAIN UNIT 1         1         172         0.32184 - 0.336           OKGE         REDBUD2S         1         187.65         -0.01478 [ÖKGE         MCCLAIN UNIT 2         1         153         0.32184 - 0.336           OKGE         REDBUD2S         1         187.65         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1         153         0.32184 - 0.336           OKGE         REDBUD3S         1         187.65         -0.01478 [ÖKGE         MCCLAIN UNIT 3         1         153         0.32184 - 0.336           OKGE         REDBUD3S         1         187.65         -0.01478 [ÖKGE         MCCLAIN UNIT 1         1         172         0.32184 - 0.336           OKGE         REDBUD3S         1         187.65         -0.01478 [ÖKGE         MCCLAIN UNIT 2         1         153         0.32184 - 0.336           OKGE         REDBUD4G <th< td=""><td></td><td>REDBUD GEN</td><td>1</td><td>187.65</td><td>-0.01478</td><td>OKGE</td><td>MCCLAIN UNIT 3</td><td>1</td><td>153</td><td>0.32184</td><td>-0.33662 7</td></th<>		REDBUD GEN	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662 7
OKGE         REDBUDIS         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD2S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 2         1         172         0.32184         -0.336           OKGE         REDBUD2S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD2S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 3         1         172         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 3         1         153 <t< td=""><td></td><td>REDBUD1S</td><td>1</td><td>187.65</td><td>-0.01478</td><td>OKGE</td><td>MCCLAIN UNIT 1</td><td>1</td><td>172</td><td>0.32184</td><td>-0.33662 7</td></t<>		REDBUD1S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662 7
DKGE   REDBUD2S		REDBUD1S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662 7
OKGE         REDBUD2S         1         187.65         -0.01478   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD2S         1         187.65         -0.01478   OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478   OKGE         MCCLAIN UNIT 1         1         153         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478   OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478   OKGE         MCCLAIN UNIT 3         1         172         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478   OKGE         MCCLAIN UNIT 1         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478   OKGE         MCCLAIN UNIT 3         1         153			1					1			-0.33662 7
OKGE         REDBUD2S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 3         1         172         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 2         1         153         0.32184		REDBUD2S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662 7
OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.3368           OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.3368           OKGE         REDBUD3S         1         187.65         -0.01478 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.3368           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.3368           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.3368           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.3368           OKGE         SEMINOLE 1G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.313           OKGE         SEMINOLE 2G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 1         1         153	OKGE	REDBUD2S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662 7
ÖKGE         REDBUD3S         1         187.65         0.01478   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD3S         1         187.65         -0.01478   OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478   OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         SEMINOLE 1G         1         10.10717         0.0086   OKGE         MCCLAIN UNIT 3         1         172         0.32184         -0.336           OKGE         SEMINOLE 1G         1         101.0717         0.0086   OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           OKGE         SEMINOLE 1G         1         101.0717         0.0086   OKGE         MCCLAIN UNIT 3         1         1		REDBUD2S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662 7
OKGE         REDBUD3S         1         187.65         -0.01478         OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478         OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478         OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478         OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         SEMINOLE 1G         1         101.0717         0.0086         OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         SEMINOLE 1G         1         101.0717         0.0086         OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086         OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.313           OKGE         SEMINOLE 2G         1	OKGE	REDBUD3S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662 7
OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         SEMINOLE 1G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.313           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 3         1         172         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 2         1         153			1	187.65	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662 7
OKGE         REDBUD4G         2         234         -0.01478   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.336           OKGE         REDBUD4G         2         234         -0.01478   OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         SEMINOLE 1G         1         101.0717         0.0086   OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.313           OKGE         SEMINOLE 2G         1         507.6         0.00917   OKGE         MCCLAIN UNIT 3         1         172         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917   OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917   OKGE         MCCLAIN UNIT 2         1	OKGE	REDBUD3S	1	187.65	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662 7
OKGE         REDBUD4G         2         234         -0.01478         OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.336           OKGE         SEMINOLE 1G         1         101.0717         0.0086         OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086         OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086         OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.313           OKGE         SEMINOLE 2G         1         507.6         0.00917         OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917         OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917         OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1	OKGE	REDBUD4G	2	234	-0.01478	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.33662 7
ÖKGE         SEMINOLE 1G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           OKGE         SOONER UNIT 1         1         24.99997         -0.0097 OKGE         MCCLAIN UNIT 1         1         <	OKGE	REDBUD4G	2	234	-0.01478	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.33662 7
ÖKGE         SEMINOLE 1G         1         101.0717         0.0086 [MCCLAIN UNIT 2]         1         153         0.32184         -0.313           OKGE         SEMINOLE 1G         1         101.0717         0.0086 [MCCLAIN UNIT 3]         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 [MCGE         MCCLAIN UNIT 1         1         172         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 [MCGE         MCCLAIN UNIT 2         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 [MCGE         MCCLAIN UNIT 2         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 [MCGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 [MCGE         MCCLAIN UNIT 2         1         153         0.32184         -0.322           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 [MCGE         MCCLAIN UNIT 2         1         153         0.32184	OKGE	REDBUD4G	2	234	-0.01478	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.33662 7
ÖKGE         SEMINOLE 1G         1         101.0717         0.0086 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.313           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.329           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.329           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.329           OKGE         SONER UNIT 1         1         24.99997         -0.0079 OKGE         MCCLAIN UNIT 3         1	OKGE	SEMINOLE 1G	1	101.0717	0.0086	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.31324 7
ÖKGE         SEMINOLE 2G         1         507.6         0.00917 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 ÖKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.312           OKGE         SEMINOLE 2G         1         507.6         0.00917 ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.329           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 ÖKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.329           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 ÖKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.329           OKGE         SOUTH 4TH ST         1         11         0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         1         11         -0.00627 ÖKGE         MCCLAIN UNIT 1         1	OKGE	SEMINOLE 1G	1	101.0717	0.0086	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.31324 7
OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.3128           OKGE         SEMINOLE 2G         1         507.6         0.00917 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.3128           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.329           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 OKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.329           OKGE         SOONER UNIT 1         1         24.99997         -0.0079 OKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.329           OKGE         SOUTH 4TH ST         1         11         -0.00627 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         3         11.5         -0.00627 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         3         11.5         -0.00627 OKGE         MCCLAIN UNIT 1         1	OKGE	SEMINOLE 1G	1	101.0717	0.0086	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.31324 7
ÖKGE         SEMINOLE 2G         1         507.6         0.00917 ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.312           ÖKGE         SOONER UNIT 1         1         24.99997         -0.0079 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.329           ÖKGE         SOONER UNIT 1         1         24.99997         -0.0079 ÖKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.329           ÖKGE         SOONER UNIT 1         1         24.99997         -0.0079 ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.329           ÖKGE         SOUTH 4TH ST         1         11         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           ÖKGE         SOUTH 4TH ST         3         11.5         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           ÖKGE         SOUTH 4TH ST         4         12         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328	OKGE	SEMINOLE 2G	1	507.6	0.00917	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.31267 7
ÖKGE         SOONER UNIT 1         1         24,99997         -0.0079 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.329           OKGE         SOONER UNIT 1         1         24,99997         -0.0079 ÖKGE         MCCLAIN UNIT 2         1         153         0.32184         -0.329           OKGE         SOONER UNIT 1         1         24,99997         -0.0079 ÖKGE         MCCLAIN UNIT 3         1         153         0.32184         -0.329           OKGE         SOUTH 4TH ST         1         11         0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         3         11.5         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         3         11.5         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         4         12         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328	OKGE	SEMINOLE 2G	1	507.6	0.00917	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.31267 7
OKGE         SOONER UNIT 1         1         24.99997 (-0.0079) OKGE         MCCLAIN UNIT 2         1         153 (0.32184 (-0.329) (0.32184 (-0.329) (0.32184 (-0.329) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.32184 (-0.328) (0.328) (0.32184 (-0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.328) (0.	OKGE	SEMINOLE 2G	1	507.6	0.00917	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.31267 7
OKGE         SOONER UNIT 1         1         24.99997         -0.0079 OKGE         MCCLAIN UNIT 3         1         153 0.32184 -0.329           OKGE         SOUTH 4TH ST         1         11 -0.00627 OKGE MCCLAIN UNIT 1         1         172 0.32184 -0.328           OKGE         SOUTH 4TH ST         3         11.5 -0.00627 OKGE MCCLAIN UNIT 1         1         172 0.32184 -0.328           OKGE         SOUTH 4TH ST         4         12 -0.00627 OKGE MCCLAIN UNIT 1         1         172 0.32184 -0.328	OKGE	SOONER UNIT 1	1	24.99997	-0.0079	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32974 7
ÖKGE         SOUTH 4TH ST         1         11         0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         3         11.5         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         4         12         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         4         12         -0.00627 ÖKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328		SOONER UNIT 1	1	24.99997	-0.0079	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32974 7
OKGE         SOUTH 4TH ST         3         11.5         -0.00627 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328           OKGE         SOUTH 4TH ST         4         12         -0.00627 OKGE         MCCLAIN UNIT 1         1         172         0.32184         -0.328		SOONER UNIT 1	1	24.99997	-0.0079	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32974 7
OKGE SOUTH 4TH ST 4 12 -0.00627 OKGE MCCLAIN UNIT 1 1 172 0.32184 -0.328	OKGE	SOUTH 4TH ST	1	11	-0.00627	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32811 7
		SOUTH 4TH ST	3	11.5	-0.00627	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32811 7
		SOUTH 4TH ST	4	12	-0.00627	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.32811 7
		SOUTH 4TH ST	1	11	-0.00627	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32811 7
		SOUTH 4TH ST	3	11.5	-0.00627	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32811 7
OKGE SOUTH 4TH ST 4 12 -0.00627 OKGE MCCLAIN UNIT 2 1 153 0.32184 -0.328	OKGE	SOUTH 4TH ST	4	12	-0.00627	OKGE	MCCLAIN UNIT 2	1	153	0.32184	-0.32811 7
		SOUTH 4TH ST	1	11	-0.00627	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32811 7
OKGE SOUTH 4TH ST 3 11.5 -0.00627 OKGE MCCLAIN UNIT 3 1 153 0.32184 -0.328	OKGE	SOUTH 4TH ST	3	11.5	-0.00627	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32811 7
OKGE SOUTH 4TH ST 4 12 -0.00627 OKGE MCCLAIN UNIT 3 1 153 0.32184 -0.328	OKGE	SOUTH 4TH ST	4	12	-0.00627	OKGE	MCCLAIN UNIT 3	1	153	0.32184	-0.32811 7
OKGE TINKER 5G 1 31 -0.0324 OKGE MCCLAIN UNIT 1 1 172 0.32184 -0.354	OKGE	TINKER 5G	1	31	-0.0324	OKGE	MCCLAIN UNIT 1	1	172	0.32184	-0.35424 7

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: REDISPATCH FOR WOLF CREEK OUTAGE 07WP

SWISSVALE (SWISV10X) 345/230/14.4KV TRANSFORMER CKT 1

Direction: To->From

LANG - MORRIS COUNTY 345KV CKT 1 SWIISV10X1761567695677011407WP Line Outage: Flowgate:

Date Redispatch Needed: 12/1/07 - 4/1/08

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1024414	0.9	12.6
1024415		12.6
1032956	0.5	12.6
1032992	0.1	12.6
1032993	0.3	12.6
1032993	0.3	12.6
1032994	1.1	12.6
1032994	1.1	12.6
1033000	0.1	12.6
1033000	0.1	12.6
1034234	0.9	12.6
1034259	0.6	12.6
1034276	2.0	12.6
1034312	0.3	12.6
1034363	0.5	12.6
1034394	0.2	12.6
1034589	0.1	12.6
1034590	0.3	12.6
1034595	0.5	12.6
1034628	0.1	12.6
1035259	1.4	12.6

		Maximum		Sink			Maximum			Redispatch
		Increment		Control			Decrement(			Amount
Source	Source	d MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
1	SY CENTER GAS TURBINE 1 1	30	-0.06076	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.41448	3
1	SY CENTER UNIT 1 1	17.3398	-0.06081	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.41453	3
1	SY CENTER UNIT 2 1	23	-0.06081	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.41453	3
1	CENTER UNIT 1 1	44	-0.05167	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.40539	3
1	CENTER UNIT 2 1	29	-0.05168	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.4054	3
1	CENTER UNIT 3 1	12	-0.05112	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.40484	3
5	INGTON 5	20	-0.04623	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.39995	32
6	INGTON 6	19.5	-0.04623	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.39995	32
1	IELD 1	26.18	-0.04333	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.39705	32
1	1	35	-0.04486	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.39858	32
14	NERATION SUB 14	21.55	-0.02499	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.37871	33
1	1	16	-0.02499		LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.37871	33
1	SY CENTER GAS TURBINE 1 1	30			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.38466	33
1	SY CENTER GAS TURBINE 1 1	30			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.38466	33
1	SY CENTER UNIT 1	17.3398			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.38471	33
1	GY CENTER UNIT 1	17.3398			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.38471	33
1	SY CENTER UNIT 2 1	23			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.38471	33
1	SY CENTER UNIT 2 1	23			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.38471	33
1	RGY CENTER UNIT 3 1	47			LAWRENCE ENERGY CENTER UNIT 5	1	237.1039	0.35372	-0.37893	33
5	INGTON 5	20			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37013	34
6	INGTON 6	19.5			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37013	34
5	INGTON 5	20			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37013	34
6	INGTON 6	19.5			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37013	34
1	IELD 1	26.18	3 -0.04333		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.36723	34
1	IELD 1	26.18			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.36723	34
1	1	35			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.36876	34
1		35			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.36876	34
1	CENTER UNIT 1 1	44			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37557	34
1	CENTER UNIT 1 1	44			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37557	34
1	CENTER UNIT 2 1	29			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37558	34
1	CENTER UNIT 2 1	29			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37558	34
1	CENTER UNIT 3 1	12			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.37502	34
1	CENTER UNIT 3 1	12			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.37502	34
1	SY CENTER GAS TURBINE 1 1	30			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.35567	35
1	SY CENTER UNIT 1	17.3398			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.35572	35
1	SY CENTER UNIT 2	23			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.29491	-0.35572	35
14		21.55			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.34889	36
14		21.55			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.3239	-0.34889	36
1	1	16			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.3239	-0.34889	36
1		16				1				30
1	CENTER LINIT 1 1	44				1				36
1						1				30
1						1				3
	CENTER UNIT 1 CENTER UNIT 2 CENTER UNIT 3	1 1 1 1	1 16 1 44 1 29	1 16 -0.02499 1 44 -0.05167 1 29 -0.05168 1 12 -0.05112	1 16 -0.02499 WERE 1 44 -0.05167 WERE 1 29 -0.05168 WERE 1 12 -0.05112 WERE	1   16   -0.02499   WERE   TECUMSEH ENERGY CENTER UNIT 8   1   44   -0.05167   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   29   -0.05168   WERE   LAWRENCE ENERGY CENTER UNIT 4	1 16 -0.02499 WERE TECUMSEH ENERGY CENTER UNIT 8 1 1 44 -0.05167 WERE LAWRENCE ENERGY CENTER UNIT 4 1 1 29 -0.05168 WERE LAWRENCE ENERGY CENTER UNIT 4 1 1 12 -0.05112 WERE LAWRENCE ENERGY CENTER UNIT 4 1	1         16         -0.02499 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88           1         44         -0.05167 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60           1         29         -0.05168 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60           1         12         -0.05112 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60	1 16 -0.02499 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.3239 1 44 -0.05167 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.29491 1 29 -0.05168 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.29491 1 12 -0.05112 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.29491	1         16         -0.02499 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.3239         -0.34889           1         44         -0.05167 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.29491         -0.34659           1         29         -0.05168 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.29491         -0.34659           1         12         -0.05112 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.29491         -0.34659

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521	WERE	TECUMSEH ENERGY CENTER UNIT 7 1	40 0.3239 -0.34911 36
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521		TECUMSEH ENERGY CENTER UNIT 8 1	88 0.3239 -0.34911 36
WERE	CITY OF WELLINGTON	5	20	-0.04623		LAWRENCE ENERGY CENTER UNIT 4 1	60 0.29491 -0.34114 37
WERE	CITY OF WELLINGTON	6	19.5	-0.04623		LAWRENCE ENERGY CENTER UNIT 4 1	60 0.29491 -0.34114 37
WERE	CITY OF WINFIELD	1	26.18	-0.04333		LAWRENCE ENERGY CENTER UNIT 4 1	60 0.29491 -0.33824 37
WERE	GETTY	1	35	-0.04486		LAWRENCE ENERGY CENTER UNIT 4 1	60 0.29491 -0.33977 37
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499		LAWRENCE ENERGY CENTER UNIT 4 1	60 0.29491 -0.3199 39
WERE	CITY OF ERIE	1	16	-0.02499		LAWRENCE ENERGY CENTER UNIT 4 1	60 0.29491 -0.3199 39
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521		LAWRENCE ENERGY CENTER UNIT 4 1	60 0.29491 -0.32012 39
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.02321		CLAY CENTER JUNCTION 1	9999 0.25248 -0.31324 40
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076		JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.317 40
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081		CLAY CENTER JUNCTION 1	9999 0.25248 -0.31329 40
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081		JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.31705 40
WERE	EVANS ENERGY CENTER UNIT 2	1		-0.06081		CLAY CENTER JUNCTION 1	9999 0.25248 -0.31329 40
		1	23 23				
WERE	EVANS ENERGY CENTER UNIT 2	-   -	44	-0.06081 -0.05167		JEFFREY ENERGY CENTER UNIT 1 1	
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167		CLAY CENTER JUNCTION 1	
WERE	GILL ENERGY CENTER UNIT 1				WERE	JEFFREY ENERGY CENTER UNIT 1 1	
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168		CLAY CENTER JUNCTION 1	9999 0.25248 -0.30416 41
WERE	GILL ENERGY CENTER UNIT 2	11	29 20	-0.05168		JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.30792 41 9999 0.25248 -0.29871 42
WERE	CITY OF WELLINGTON	5		-0.04623		CLAY CENTER JUNCTION 1	
WERE	CITY OF WELLINGTON	6	19.5	-0.04623		CLAY CENTER JUNCTION 1	9999 0.25248 -0.29871 42
WERE	CITY OF WELLINGTON	5	20	-0.04623		JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.30247 42
WERE	CITY OF WELLINGTON	6	19.5	-0.04623		JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.30247 42
WERE	CITY OF WINFIELD	1	26.18	-0.04333		JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.29957 42
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076		ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.29901 42
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081		ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.29906 42
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081		ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.29906 42
WERE	GETTY	1	35	-0.04486		CLAY CENTER JUNCTION 1	9999 0.25248 -0.29734 42
WERE	GETTY	1	35	-0.04486		JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.3011 42
WERE	CITY OF WINFIELD	1	26.18	-0.04333		CLAY CENTER JUNCTION 1	9999 0.25248 -0.29581 43
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167		ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.28992 43
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168	WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.28993 43
WERE	CITY OF WELLINGTON	5	20	-0.04623	WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.28448 44
WERE	CITY OF WELLINGTON	6	19.5	-0.04623	WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.28448 44
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	JEFFREY ENERGY CENTER UNIT 2 1	470 0.22861 -0.28937 44
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30	-0.06076	WERE	JEFFREY ENERGY CENTER UNIT 3 1	470 0.22861 -0.28937 44
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 2 1	470 0.22861 -0.28942 44
WERE	EVANS ENERGY CENTER UNIT 1	1	17.3398	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 3 1	470 0.22861 -0.28942 44
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 2 1	470 0.22861 -0.28942 44
WERE	EVANS ENERGY CENTER UNIT 2	1	23	-0.06081	WERE	JEFFREY ENERGY CENTER UNIT 3 1	470 0.22861 -0.28942 44
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499	WERE	CLAY CENTER JUNCTION 1	9999 0.25248 -0.27747 45
WERE	CHANUTE GENERATION SUB	14	21.55	-0.02499	WERE	JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.28123 45
WERE	CITY OF ERIE	1	16	-0.02499	WERE	CLAY CENTER JUNCTION 1	9999 0.25248 -0.27747 45
WERE	CITY OF ERIE	1	16	-0.02499		JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.28123 45
WERE	CITY OF WINFIELD	1	26.18	-0.04333		ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.28158 45
WERE	GETTY	1	35	-0.04486		ABILENE ENERGY CENTER GAS TURBINE 1 1	40 0.23825 -0.28311 45
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167		JEFFREY ENERGY CENTER UNIT 2 1	470 0.22861 -0.28028 45
WERE	GILL ENERGY CENTER UNIT 1	1	44	-0.05167		JEFFREY ENERGY CENTER UNIT 3 1	470 0.22861 -0.28028 45
WERE	GILL ENERGY CENTER UNIT 2	1	29	-0.05168		JEFFREY ENERGY CENTER UNIT 2 1	470 0.22861 -0.28029 45
WERE	GILL ENERGY CENTER UNIT 2	Ti Ti	29			JEFFREY ENERGY CENTER UNIT 3 1	470 0.22861 -0.28029 45
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.02521		CLAY CENTER JUNCTION 1	9999 0.25248 -0.27769 45
WERE	NEOSHO ENERGY CENTER UNIT 3	Ti Ti	47	-0.02521	WERE	JEFFREY ENERGY CENTER UNIT 1 1	470 0.25624 -0.28145 45
WERE	CITY OF WELLINGTON	5	20		WERE	JEFFREY ENERGY CENTER UNIT 2 1	470 0.22861 -0.27484 46
WERE	CITY OF WELLINGTON	6	19.5	-0.04623		JEFFREY ENERGY CENTER UNIT 2 1	470 0.22861 -0.27484 46
WERE	CITY OF WELLINGTON	5	20	-0.04623		JEFFREY ENERGY CENTER UNIT 3 1	470 0.22861 -0.27484 46
WERE	CITY OF WELLINGTON	6	19.5	-0.04623		JEFFREY ENERGY CENTER UNIT 3 1	470 0.22861 -0.27484 46
WERE	CITY OF WINFIELD	1	26.18			JEFFREY ENERGY CENTER UNIT 2 1	470 0.22861 -0.27464 46
	Maximum Increment were determine from the Source and S	Niels Occupations F					470 0.22001 -0.27104 40

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 RICHLAND - ROSE HILL JUNCTION 69KV CKT 1
To->From
EL PASO - FARBER 138KV CKT 1
57550578371570395704214406SH

Direction:

Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief
Reservation	Relief Amount	Amount
1032990	0.7	4.3
1032990	0.9	4.3
1032990	0.9	4.3
1032993	0.5	4.3
1033723	0.5	4.3
1034312	0.9	4.3

1034	312	0.9 4.3									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)		Area	Sink	Sink Id		GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	16.29932	0.01046	-0.30052	2 14
WERE	CITY OF WINFIELD	Т	10.2	-0.29006		EVANS ENERGY CENTER GAS TURBINE 2	1	16.29932	0.01046	-0.30052	2 1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01045	-0.30051	
WERE	CITY OF WINFIELD	Т	10.2	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01045	-0.30051	
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	3 1-
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	5 1 <sub>-</sub>
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	3 14
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	WACO	1	17.964	0.01068	-0.30074	4 14
WERE	CITY OF WINFIELD	Т	10.2	-0.29006	WERE	WACO	1	17.964	0.01068	-0.30074	4 14
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	3 1
WERE	CITY OF WINFIELD	Т	10.2	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	3 1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CHANUTE GENERATION SUB	14	33.658	0.00408	-0.29414	4 1
WERE	CITY OF WINFIELD	Т	10.2	-0.29006	WERE	CHANUTE GENERATION SUB	14	33.658	0.00408	-0.29414	4 1:
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	4 1:
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	4 15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	7 1
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	7 1:
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	3 1:
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	3 1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	1 15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	1 15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	1 1
WERE	CITY OF WINFIELD	Т	10.2	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	1 15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00505	-0.29511	1 15
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00505	-0.29511	1 15
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	235.158	0.00514	-0.2952	2 1
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	235.158	0.00514	-0.2952	2 1:
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00523	-0.29529	9 1:
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00523	-0.29529	9 1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00523	-0.29529	9 1:
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00523	-0.29529	
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	5 2
WERE	CITY OF WINFIELD	Т	10.2	-0.29006	WERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 To->From EL PASO - FARBER 138KV CKT 1 57550578371570395704214406SP Upgrade: Limiting Facility: Direction:

Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief
Reservation		Amount
1032990	1.7	5.7
1032990	0.9	5.7
1032990	1.0	5.7
1032993	0.5	5.7
1033723	0.5	5.7
1034312	1.0	5.7

103431	2 1.0	5.7									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	
WERE	CITY OF WINFIELD	T	10.2	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	
WERE	CITY OF WINFIELD	1	14.8	-0.29006		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00464		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00464	-0.2947	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00464		19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00464		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		CHANUTE GENERATION SUB	14	42.755	0.00408		19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		CHANUTE GENERATION SUB	14	42.755	0.00408		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		CITY OF ERIE	1	20	0.00408		19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		CITY OF ERIE	1	20	0.00408		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01046	-0.30052	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01046		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01046		
WERE	CITY OF WINFIELD	T	10.2	-0.29006		EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01046		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		EVANS ENERGY CENTER UNIT 1	1	120	0.01045		19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		EVANS ENERGY CENTER UNIT 1	1	120	0.01045		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		EVANS ENERGY CENTER UNIT 2	1	324.8115	0.01045		19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		EVANS ENERGY CENTER UNIT 2	1	324.8115	0.01045		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		GILL ENERGY CENTER UNIT 1	1	18	0.00691		19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		GILL ENERGY CENTER UNIT 1	1	18	0.00691		19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		GILL ENERGY CENTER UNIT 2	1	27	0.00694	-0.297	19
WERE	CITY OF WINFIELD	T	10.2	-0.29006		GILL ENERGY CENTER UNIT 2	1	27	0.00694	-0.297	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006		GILL ENERGY CENTER UNIT 3	1	78	0.00977		19
WERE	CITY OF WINFIELD	Т	10.2	-0.29006		GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	19
WERE	CITY OF WINFIELD	1	14.8	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	19
WERE	CITY OF WINFIELD	Т	10.2	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	19

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	WEDE	OITY OF MINEIELD	L L	44.0	0.000001	VEDE	LILITOLINOON ENEDOV OFNITED OAG TUDDINE O	14	20	0.00454	0.00457	40
WERE		CITY OF WINFIELD	T T	14.8			HUTCHINSON ENERGY CENTER GAS TURBINE 2	11	30	0.00451	-0.29457	19
WERE			<u> </u>					1				19
WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 1 1 10 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 10.2 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 2 1 1 10 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 2 1 1 10 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 3 1 1 20 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 3 1 20 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 3 1 20 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 3 1 20 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 3 1 20 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 120 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 120 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE UNIT 6 1 120 0.00451 -0.29457 WERE CITY OF WINFIELD 1 1 14.8 -0.29006 WERE UNIT 6 1 1 14.9 -0.29006 WERE UNIT 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1					1	00			19
WERE			Т					1				19
WERE CITY OF WINFIELD 1 1 14.8 - 0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 2 1 10 0.00451 - 0.29457 WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 2 1 10 0.00451 - 0.29457 WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 3 1 20 0.00451 - 0.29457 WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 3 1 20 0.00451 - 0.29457 WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 3 1 20 0.00451 - 0.29457 WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 120 0.00451 - 0.29457 WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 120 0.00451 - 0.29457 WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WINT 4 1 120 0.00451 - 0.29457 WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE CITY OF WINFIELD T 10.2 - 0.29006 WERE WERE WERE CITY OF WINFIELD T 10.4 - 0.29006 WERE WERE CITY OF WINFIELD T 10.4 - 0.29006 WERE WERE WERE			1					1	10			19
WERE			Т					1	10			19
WERE			1					1	10			19
WERE			T					1	10			19
WERE			1					1	20			19
WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         1.20         0.0451         -0.29467           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.00517         -0.29523           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.00517         -0.29523           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00515         -0.29521           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00515         -0.29521           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00515         -0.29521           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00516         -0.29521           WERE         CITY OF WI	WERE	CITY OF WINFIELD	Т	10.2			HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00451	-0.29457	19
WERE   CITY OF WINFIELD   1			1	14.8				1				19
WERE	WERE	CITY OF WINFIELD	Т	10.2			HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         -0.0515         -0.29521           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00515         -0.29521           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00515         -0.29521           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00515         -0.29521           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         25         0.00505         -0.29521           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         25         0.00505         -0.29511           WERE         CITY OF WINFIELD         T         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         25         0.00505         -0.29511           WERE         CITY OF WINFI	WERE	CITY OF WINFIELD	1	14.8	-0.29006 V	NERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	19
Were	WERE	CITY OF WINFIELD	T	10.2	-0.29006 \	NERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	19
WERE	WERE	CITY OF WINFIELD	1	14.8	-0.29006 \	NERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	19
WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00515         -0.29521           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         25         0.00505         -0.29511           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         25         0.00505         -0.29511           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00505         -0.29511           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00505         -0.29511           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00505         -0.29511           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF	WERE	CITY OF WINFIELD	T	10.2	-0.29006 \	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         25         0.0505         -0.29511           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         25         0.0505         -0.29511           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00505         -0.29511           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00505         -0.29511           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         T         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY	WERE	CITY OF WINFIELD	1	14.8	-0.29006 \	NERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	19
WERE	WERE	CITY OF WINFIELD	T	10.2	-0.29006 \	NERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.0505         -0.29511           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00505         -0.29511           WERE         CITY OF WINFIELD         1         14.8         0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LEUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.2952           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF	WERE	CITY OF WINFIELD	1	14.8	-0.29006 \	NERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.00505	-0.29511	19
WERE         CITY OF WINFIELD         T         10.2         0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         75         0.00505         -0.2951           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         1         10.3         0.00523         -0.29529           WERE	WERE	CITY OF WINFIELD	T	10.2	-0.29006 \	NERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.00505	-0.29511	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         C	WERE	CITY OF WINFIELD	1	14.8	-0.29006 \	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00505	-0.29511	19
WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         236.4678         0.00514         -0.2952           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         T         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY	WERE	CITY OF WINFIELD	T	10.2	-0.29006 \	NERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00505	-0.29511	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINF	WERE	CITY OF WINFIELD	1	14.8	-0.29006 \	NERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.4678	0.00514	-0.2952	19
WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         55         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         5         20         -0.09881         -0.19125           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WER	WERE	CITY OF WINFIELD	T	10.2	-0.29006 \	NERE	LAWRENCE ENERGY CENTER UNIT 5	1	236.4678	0.00514	-0.2952	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.0523         -0.29529           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.0523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         WACO         1         17.97         0.0168         -0.30074           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         5         20         -0.09881         -0.19125           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125	WERE	CITY OF WINFIELD	1	14.8	-0.29006 \	NERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00523	-0.29529	19
WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         103         0.00523         -0.29529           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         5         20         -0.09881         -0.19125           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125	WERE	CITY OF WINFIELD	T	10.2	-0.29006 V	NERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00523	-0.29529	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         5         20         -0.09881         -0.19125           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125	WERE	CITY OF WINFIELD	1	14.8	-0.29006 V	NERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00523	-0.29529	19
WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         WACO         1         17.97         0.01068         -0.30074           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         5         20         -0.09881         -0.19125           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125	WERE	CITY OF WINFIELD	T	10.2	-0.29006 V	NERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00523	-0.29529	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         5         20         -0.09881         -0.19125           WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125	WERE	CITY OF WINFIELD	1	14.8	-0.29006 V	NERE	WACO	1	17.97	0.01068	-0.30074	19
WERE         CITY OF WINFIELD         1         14.8         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125           WERE         CITY OF WINFIELD         T         10.2         -0.29006 WERE         CITY OF WELLINGTON         6         19.5         -0.09881         -0.19125	WERE	CITY OF WINFIELD	T	10.2	-0.29006 V	NERE	WACO	1	17.97	0.01068	-0.30074	19
WERE CITY OF WINFIELD T 10.2 -0.29006 WERE CITY OF WELLINGTON 6 19.5 -0.09881 -0.19125	WERE	CITY OF WINFIELD	1	14.8	-0.29006 V	NERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	30
WERE CITY OF WINFIELD T 10.2 -0.29006 WERE CITY OF WELLINGTON 6 19.5 -0.09881 -0.19125	WERE	CITY OF WINFIELD	1	14.8	-0.29006 V	NERE	CITY OF WELLINGTON	6	19.5	-0.09881	-0.19125	30
	WERE	CITY OF WINFIELD	T	10.2			CITY OF WELLINGTON	6	19.5	-0.09881	-0.19125	30
IVERE TOTALOF WINFIELD II I 1.0,21 -0,290001WERE TOTALOF WELLINGTON 15 I 201 -0.098811 -0.191251	WERE	CITY OF WINFIELD	Т	10.2			CITY OF WELLINGTON	5	20	-0.09881	-0.19125	30

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 RICHLAND - UDALL 69KV CKT 1

 Limiting Facility:
 RICHLAND - UDALL 69KV CKT 1

 Direction:
 From->To

 Line Outage:
 EL PASO - FARBER 138KV CKT 1

 Flowgate:
 57550575591570395704214407SH

 Date Redispatch Needed:
 6/1/07 - 10/1/07

Reservation		Aggregate Relief Amount	
1032990	0.8	5.7	1
1032993	0.7	5.7	1
1032994	1.5	5.7	1
1033723	0.7	5.7	1
1034312	2.0	5.7	1

103431	2 2.0	5.7	1								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.29712	2 19
WERE	CITY OF WINFIELD	Т	10.2	-0.2922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.29712	2 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00458	-0.29678	3 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00458	-0.29678	3 1
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	15.66162	0.00458	-0.29678	3 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	15.66162	0.00458	-0.29678	3 1
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55		-0.29678	
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00458	-0.29678	
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00458	-0.29678	
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00458	-0.29678	3 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	CHANUTE GENERATION SUB	14	33.041	0.00391	-0.29611	1 19
WERE	CITY OF WINFIELD	Т	10.2	-0.2922	WERE	CHANUTE GENERATION SUB	14	33.041	0.00391		1 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	CITY OF ERIE	1	20	0.00391	-0.29611	1 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	CITY OF ERIE	1	20	0.00391	-0.29611	1 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	CLAY CENTER JUNCTION	1	9999	0.00502	-0.29722	2 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	CLAY CENTER JUNCTION	1	9999	0.00502	-0.29722	2 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01026	-0.30246	3 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01026	-0.30246	3 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01026	-0.30246	3 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01026	-0.30246	6 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00939	-0.30159	9 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00939	-0.30159	9 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01038	-0.30258	3 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01038	-0.30258	3 1
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00448	-0.29668	3 19
WERE	CITY OF WINFIELD	Т	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00448	-0.29668	3 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00505	-0.29725	5 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00505	-0.29725	5 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.29723	3 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.29723	3 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.29723	3 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.29723	3 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00492	-0.29712	2 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00492	-0.29712	2 1:
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.2776	0.00501	-0.29721	1 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.2776	0.00501	-0.29721	1 19
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00511	-0.29731	1 19
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00511	-0.29731	1 1
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00511	-0.29731	
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00511	-0.29731	
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	WACO	1	17.947	0.01037	-0.30257	7 1
WERE	CITY OF WINFIELD	Т	10.2	-0.2922		WACO	1	17.947	0.01037	-0.30257	
WERE	CITY OF WINFIELD	1	25	-0.2922	WERE	CITY OF WELLINGTON	5	17.86902	-0.09589	-0.19631	1 2
WERE	CITY OF WINFIELD	Т	10.2	-0.2922		CITY OF WELLINGTON	5	17.86902	-0.09589		

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01026	-0.10615	54
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01026	-0.10615	54
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01038	-0.10627	54
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00939	-0.10528	55
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.10081	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00458	-0.10047	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00458	-0.10047	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00458	-0.10047	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	CLAY CENTER JUNCTION	1	9999	0.00502	-0.10091	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00448	-0.10037	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00505	-0.10094	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.10092	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.10092	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00492	-0.10081	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.2776	0.00501	-0.1009	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00511	-0.101	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00511	-0.101	57
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	CHANUTE GENERATION SUB	14	33.041	0.00391	-0.0998	58
WERE	CITY OF WELLINGTON	6	19.5	-0.09589	WERE	CITY OF ERIE	1	20	0.00391	-0.0998	58

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

RICHLAND - UDALL 69KV CKT 1 RICHLAND - UDALL 69KV CKT 1 From->To EVAND - FARBER 138KV CKT 1 57550575591570395704214407SP 6/1/07 - 10/1/07 Line Outage: Flowgate:

Date Redispatch Needed:

Date Redispatch Needed:	6/1/07 - 10/1/07		_								
		Aggregate									
		Relief									
Reservation	Relief Amount	Amount									
1032993	1.0	7.0	)								
1032994	2.1	7.0	)								
1033723	1.0	7.0	)								
1034312	2.9	7.0	)								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.29712	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00492	-0.29712	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00459	-0.29679	23
WERE	CITY OF WINFIELD	Ť	10.2	-0.2922		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00459	-0.29679	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00459	-0.29679	23
WERE	CITY OF WINFIELD	Ť	10.2		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00459	-0.29679	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		BPU - CITY OF MCPHERSON GAS TURBINE 3	1	26.22998	0.00459	-0.29679	23
WERE	CITY OF WINFIELD	T	10.2		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	26.22998	0.00459	-0.29679	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		BPU - CITY OF MCPHERSON GAS TURBINE 4	i	55	0.00458	-0.29678	23
WERE	CITY OF WINFIELD	T	10.2		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00458	-0.29678	23
WERE	CITY OF WINFIELD	1	15.72598		WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00459	-0.29679	23
WERE	CITY OF WINFIELD	Ť	10.2		WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00459	-0.29679	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		CHANUTE GENERATION SUB	14	42.742	0.00391	-0.29611	23
WERE	CITY OF WINFIELD	Ť	10.2		WERE	CHANUTE GENERATION SUB	14	42.742	0.00391	-0.29611	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		CITY OF ERIE	1	20	0.00391	-0.29611	23
WERE	CITY OF WINFIELD	Ť	10.2	-0.2922		CITY OF ERIE	1	20	0.00391	-0.29611	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		CLAY CENTER JUNCTION	1	9999	0.00502	-0.29722	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922		CLAY CENTER JUNCTION	1	9999	0.00502	-0.29722	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.00302	-0.30246	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922		EVANS ENERGY CENTER GAS TURBINE 1	1	30	0.01026	-0.30246	23
WERE	CITY OF WINFIELD	1	15.72598		WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01026	-0.30246	23
WERE	CITY OF WINFIELD	T	10.2	-0.2922		EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01026	-0.30246	23
WERE	CITY OF WINFIELD	1	15.72598		WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01026	-0.30246	23
WERE	CITY OF WINFIELD	T	10.72596	-0.2922		EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01026	-0.30246	23
WERE	CITY OF WINFIELD	1	15.72598		WERE	EVANS ENERGY CENTER GAS TORBINE S  EVANS ENERGY CENTER UNIT 1	1	120	0.01026	-0.30246	23
WERE	CITY OF WINFIELD	T	10.72596		WERE	EVANS ENERGY CENTER UNIT 1	1	120	0.01026	-0.30246	23
		1					1	325			
WERE WERE	CITY OF WINFIELD	- -	15.72598	-0.2922 -0.2922	WERE	EVANS ENERGY CENTER UNIT 2	1	325	0.01026	-0.30246 -0.30246	23
	CITY OF WINFIELD	1	10.2			EVANS ENERGY CENTER UNIT 2	1				23
WERE	CITY OF WINFIELD	T	15.72598		WERE	GILL ENERGY CENTER UNIT 1	1	23	0.00636	-0.29856	
WERE	CITY OF WINFIELD	1	10.2	-0.2922 -0.2922		GILL ENERGY CENTER UNIT 1	1	23	0.00636	-0.29856 -0.29859	23
WERE	CITY OF WINFIELD	1	15.72598		WERE	GILL ENERGY CENTER UNIT 2	1	52			23
WERE	CITY OF WINFIELD	1	10.2	-0.2922		GILL ENERGY CENTER UNIT 2	1	52	0.00639	-0.29859	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		GILL ENERGY CENTER UNIT 3	17	88	0.00939	-0.30159	23
WERE	CITY OF WINFIELD	!	10.2	-0.2922		GILL ENERGY CENTER UNIT 3	11	88	0.00939	-0.30159	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		GILL ENERGY CENTER UNIT 4	17	82.99999	0.01038	-0.30258	23
WERE	CITY OF WINFIELD	I	10.2	-0.2922		GILL ENERGY CENTER UNIT 4	1	82.99999	0.01038	-0.30258	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	1	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	11	30	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	1	15.72598		WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30		-0.29668	23
WERE	CITY OF WINFIELD	T	10.2		WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	1	15.72598		WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	T	10.2		WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	10	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		HUTCHINSON ENERGY CENTER UNIT 2	1	10		-0.29668	23
WERE	CITY OF WINFIELD	T	10.2		WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	10	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922		HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	Т	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	1	15.72598	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.00448	-0.29668	23
WERE	CITY OF WINFIELD	Т	10.2	-0.2922	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	150	0.00448	-0.29668	23

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

CITY OF WINFIELD	1	15.72598	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00505	-0.29725	23
CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00505	-0.29725	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.29723	23
CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00503	-0.29723	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.29723	23
CITY OF WINFIELD	T	10.2	-0.2922	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00503	-0.29723	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	30	0.00492	-0.29712	23
CITY OF WINFIELD	Т	10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	30	0.00492	-0.29712	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00492	-0.29712	23
CITY OF WINFIELD	Т	10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00492	-0.29712	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.942	0.00501	-0.29721	23
CITY OF WINFIELD	Т	10.2	-0.2922	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	239.942	0.00501	-0.29721	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00511	-0.29731	23
CITY OF WINFIELD	T	10.2	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00511	-0.29731	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00511	-0.29731	23
CITY OF WINFIELD	T	10.2	-0.2922	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.00511	-0.29731	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	WACO	1	17.96	0.01037	-0.30257	23
CITY OF WINFIELD	T	10.2	-0.2922	WERE	WACO	1	17.96	0.01037	-0.30257	23
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	CITY OF WELLINGTON	6	19.5	-0.09589	-0.19631	35
CITY OF WINFIELD	1	15.72598	-0.2922	WERE	CITY OF WELLINGTON	5	20	-0.09589	-0.19631	35
	CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD CITY OF WINFIELD	CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T  CITY OF WINFIELD  T	CITY OF WINFIELD	CITY OF WINFIELD	CITY OF WINFIELD	CITY OF WINFIELD	CITY OF WINFIELD	CITY OF WINFIELD	CITY OF WINFIELD	CITY OF WINFIELD  T 10.2 -0.2922 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.0505 -0.29725 CITY OF WINFIELD  1 15.72598 -0.2922 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.0503 -0.29723 CITY OF WINFIELD  1 15.72598 -0.2922 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.0503 -0.29723 CITY OF WINFIELD  1 15.72598 -0.2922 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.0503 -0.29723 CITY OF WINFIELD  1 15.72598 -0.2922 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.0503 -0.29723 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.0503 -0.29723 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 3 1 30 0.00492 -0.29712 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 3 1 30 0.00492 -0.29712 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 3 1 75 0.00492 -0.29712 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 4 1 75 0.00492 -0.29712 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 4 1 75 0.00492 -0.29712 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 5 1 239.942 0.00501 -0.29721 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 5 1 239.942 0.00501 -0.29721 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 5 1 239.942 0.00501 -0.29721 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 5 1 239.942 0.00501 -0.29721 CITY OF WINFIELD  1 15.72598 -0.2922 WERE LAWRENCE ENERGY CENTER UNIT 7 1 55 0.00511 -0.29731 CITY OF WINFIELD  1 15.72598 -0.2922 WERE TECUMSEH ENERGY CENTER UNIT 7 1 55 0.00511 -0.29731 CITY OF WINFIELD  1 15.72598 -0.2922 WERE TECUMSEH ENERGY CENTER UNIT 7 1 55 0.00511 -0.29731 CITY OF WINFIELD  1 15.72598 -0.2922 WERE TECUMSEH ENERGY CENTER UNIT 7 1 55 0.00511 -0.29731 CITY OF WINFIELD  1 15.72598 -0.2922 WERE TECUMSEH ENERGY CENTER UNIT 8 1 103 0.00511 -0.29731 CITY OF WINFIELD  1 15.72598 -0.2922 WERE WACO  1 17.96 0.01037 -0.30257 CITY OF WINFIELD  1 15.72598 -0.2922 WERE WACO  1 17.96 0.01037 -0.30257 CITY OF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

RICHLAND - UDALL 69KV CKT 1 RICHLAND - UDALL 69KV CKT 1 From->To EVAND - FARBER 138KV CKT 1 57550575591570395704214407WP 12/1/2007 - 4/1/2008 Line Outage: Flowgate: Date Redispatch Needed:

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032990	0.1	0.5
1032990	0.0	0.5
1032990	0.0	0.5
1032993	0.0	0.5
1032993	0.0	0.5
1032994	0.1	0.5
1032994	0.0	0.5
1032994	0.0	0.5
1033000	0.0	0.5
1033000	0.0	0.5
1033723	0.0	0.5
1033723	0.0	0.5
1034312	0.1	0.5

Source   More   Source   Source   More   More   Area   Source   More   Area   Source   More   Area   Source   More   Area   Source   More   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area   Area				Maximum		Sink			Maximum			Redispatch
WERE CITY OF WINFELD 1 28 0 .02214WERE ABLIEVE BERKEY CENTER CAS TURBINE 1 40 .00697 .022711 2 WERE CITY OF WINFELD 1 1 28 1 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 1 1 40 .00699 .022711 2 WERE CITY OF WINFELD 1 1 28 1 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 1 1 30 .00683 .022877 2 WERE CITY OF WINFELD 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 2 1 30 .00643 .02877 2 WERE CITY OF WINFELD 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 2 1 30 .00643 .02877 2 WERE CITY OF WINFELD 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 2 1 30 .00643 .02877 2 WERE CITY OF WINFELD 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 2 1 30 .00643 .02877 2 WERE CITY OF WINFELD 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 2 1 30 .00643 .02877 2 WERE CITY OF WINFELD 1 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 2 1 36 .00643 .02877 2 WERE CITY OF WINFELD 1 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 4 1 58 0.00643 .02877 2 WERE CITY OF WINFELD 1 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 4 1 28 0.00693 .02877 2 WERE CITY OF WINFELD 1 1 28 0 .02214WERE BPL-CITY OF MCPHERSON GAS TURBINE 4 1 22 0.00697 .02871 1 WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .02214WERE CITY OF WINFELD 1 1 28 0 .022						Control			Decrement(			Amount
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WERE	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01032	-0.30246	2
Were	WERE	CITY OF WINFIELD	T		-0.29214	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01032	-0.30246	2
WERE	WERE	CITY OF WINFIELD	1					1	89.272		-0.30246	2
WERE	WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	EVANS ENERGY CENTER UNIT 1	1	89.272	0.01032	-0.30246	2
WERE         CITY OF WINFIELD         1         26.6         0.29214 WERE         GILL ENERGY CENTER UNIT 2         1         27         0.00645         0.29859         2           WERE         CITY OF WINFIELD         1         1.02         2.9214 WERE         GILL ENERGY CENTER UNIT 3         1         7.7         0.00645         0.39159         2           WERE         CITY OF WINFIELD         T         1.02         2.9214 WERE         GILL ENERGY CENTER UNIT 3         1         7.8         0.00945         0.30159         2           WERE         CITY OF WINFIELD         T         1.02         2.92214 WERE         GILL ENERGY CENTER UNIT 3         1         7.8         0.00945         0.30159         2           WERE         CITY OF WINFIELD         T         1.02         0.92214 WERE         GILL ENERGY CENTER UNIT 4         1         7.7         0.01044         -0.30258         2           WERE         CITY OF WINFIELD         T         1.02         -0.92214 WERE         GILL ENERGY CENTER UNIT 4         1         7.7         0.01044         -0.30258         2           WERE         CITY OF WINFIELD         T         1.02         -0.92214 WERE         GILL ENERGY CENTER UNIT 4         1         1.77         0.01044 <t< td=""><td>WERE</td><td>CITY OF WINFIELD</td><td>1</td><td>26.6</td><td>-0.29214</td><td>WERE</td><td>EVANS ENERGY CENTER UNIT 2</td><td>1</td><td></td><td>0.01032</td><td>-0.30246</td><td>2</td></t<>	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	EVANS ENERGY CENTER UNIT 2	1		0.01032	-0.30246	2
WERE   CITY OF WINFIELD   T	WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01032	-0.30246	2
WERE CITY OF WINFIELD 1 26.6   0.29214 WERE   GILL ENERGY CENTER UNIT 3   1   78   0.00945   0.30159   2   WERE CITY OF WINFIELD 1 1 0.2   0.29214 WERE   GILL ENERGY CENTER UNIT 3   1   78   0.00945   0.30159   2   WERE CITY OF WINFIELD 1 26.6   0.29214 WERE   GILL ENERGY CENTER UNIT 4   1   77   0.01044   0.30258   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   GILL ENERGY CENTER UNIT 4   1   77   0.01044   0.30258   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   GILL ENERGY CENTER UNIT 4   1   120   0.00453   0.29667   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   HUTCHINSON ENERGY CENTER UNIT 4   1   120   0.00453   0.29667   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   HUTCHINSON ENERGY CENTER UNIT 4   1   120   0.00453   0.29667   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   HUTCHINSON ENERGY CENTER UNIT 1   1   470   0.00513   0.29567   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   JEFFREY PENERGY CENTER UNIT 1   1   470   0.00513   0.29724   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   JEFFREY PENERGY CENTER UNIT 1   1   470   0.00516   0.29724   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   JEFFREY PENERGY CENTER UNIT 2   1   470   0.00508   0.29722   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   JEFFREY PENERGY CENTER UNIT 2   1   470   0.00508   0.29722   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   JEFFREY PENERGY CENTER UNIT 3   1   470   0.00508   0.29722   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   JEFFREY PENERGY CENTER UNIT 3   1   470   0.00508   0.29722   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   JEFFREY PENERGY CENTER UNIT 3   1   470   0.00508   0.29722   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   JEFFREY PENERGY CENTER UNIT 3   1   470   0.00508   0.29722   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   LAWRENCE ENERGY CENTER UNIT 3   1   470   0.00508   0.29722   2   WERE CITY OF WINFIELD 1 1   26.6   0.29214 WERE   LAWRENCE ENERGY CENTER UNIT 3   1   400   0.00508   0	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00645	-0.29859	2
WERE	WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00645	-0.29859	2
WERE CITY OF WINFIELD 1 26.6 -0.29214 WERE GILL ENERGY CENTER UNIT 4 1 77 0.01044 -0.30258 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE GILL ENERGY CENTER UNIT 4 1 77 0.01044 -0.30258 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 120 0.00453 -0.29667 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 120 0.00453 -0.29667 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 120 0.00453 -0.29667 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE HUTCHINSON ENERGY CENTER UNIT 1 1 470 0.0051 -0.29724 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.0051 -0.29724 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.00508 -0.29721 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2971 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2971 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 7 1 40 0.00516 -0.2973 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00945	-0.30159	2
WERE         CITY OF WINFIELD         T         10.2         2.029214 WERE         GILL ENERGY CENTER UNIT 4         1         77         0.01044         -0.30258         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         120         0.00453         -0.29667         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         120         0.00453         -0.29667         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0051         -0.29724         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00508         -0.29724         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470	WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00945	-0.30159	2
WERE CITY OF WINFIELD 1 26.6 -0.29214 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 120 0.00453 -0.29667 2 2 WERE CITY OF WINFIELD 1 126.6 -0.29214 WERE HUTCHINSON ENERGY CENTER UNIT 1 1 120 0.00453 -0.29667 2 2 WERE CITY OF WINFIELD 1 1 28.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 1 1 1470 0.0051 -0.29724 2 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.0051 -0.29724 2 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.0051 -0.29724 2 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.0056 0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.00568 0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.00568 0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00568 0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00568 0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00568 0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.00568 0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.00568 0.29722 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00497 -0.29711 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1016 0.00566 0.2972 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1016 0.00566 0.2972 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 7 1 40 0.00516 0.2973 2 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LEWRENCE ENERGY CENTER UNIT 7 1 40 0.00516 0.2973 2 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.00516 0.2973 2 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.00516 0.2973 2 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE TECUMSEH	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01044	-0.30258	2
WERE         CITY OF WINFIELD         T         10.2         -0.20214 WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         120         0.00453         -0.29667         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0051         -0.29724         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0051         -0.29724         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         7         10.2         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470	WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01044	-0.30258	2
WERE   CITY OF WINFIELD   1   26.6   -0.29214   WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.0051   -0.29724   2   2   2   2   2   2   2   2   2	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		0.00453	-0.29667	2
WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0051         -0.29724         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         10.2         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60.0	WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00453	-0.29667	2
WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         JEFREY ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         10.2         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         470         0.00508         -0.29712         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0051	-0.29724	2
WERE CITY OF WINFIELD T 10.2 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.00508 -0.29722 2 2 WERE CITY OF WINFIELD T 10.2 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 2 WERE CITY OF WINFIELD T 10.2 -0.29214 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.00508 -0.29722 2 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00497 -0.29711 2 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2972 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2972 2 WERE CITY OF WINFIELD T 10.2 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2972 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2972 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2972 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE LEVENCE ENERGY CENTER UNIT 7 1 40 0.00516 -0.2973 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.00516 -0.2973 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.00516 -0.2973 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.00516 -0.2973 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD T 1 26.6 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD T 1 26.0 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD T 1 10.2 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD T 1 10.2 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WELLINGTON 5 20 -0.99582 WERE BPU-CITY OF WELLINGTON 5 20 -0.99582 WERE BPU-CITY OF WELLINGTON 5 20 -0.99582 WERE BPU-CITY OF WELLINGTON 6 19.5 -0.99582 WERE BPU-	WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0051	-0.29724	2
WERE   CITY OF WINFIELD   1   26.6   -0.29214   WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.00508   -0.29722   2	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00508	-0.29722	2
WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00508         -0.29722         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.00497         -0.29711         2           WERE         CITY OF WINFIELD         1         10.2         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.00497         -0.29711         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         206.1015         0.00506         -0.2972         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         206.1015         0.00506         -0.2972         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40	WERE	CITY OF WINFIELD	T	10.2	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00508	-0.29722	2
WERE CITY OF WINFIELD 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00497 -0.29711 2 2 WERE CITY OF WINFIELD 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00497 -0.29711 2 2 WERE CITY OF WINFIELD 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2972 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2972 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE LAWRENCE ENERGY CENTER UNIT 5 1 206.1015 0.00506 -0.2972 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.00516 -0.2973 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.00516 -0.2973 2 WERE CITY OF WINFIELD 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.00516 -0.2973 2 WERE CITY OF WINFIELD 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.00516 -0.2973 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.00516 -0.2973 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD 1 26.6 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD 1 1 26.6 -0.29214 WERE WACO 1 17.93 0.01042 -0.30256 2 WERE CITY OF WINFIELD 1 1 26.0 -0.99582 WERE ABILENE ENERGY CENTER GAS TURBINE 1 1 40 0.00497 -0.10079 5 WERE CITY OF WELLINGTON 5 20 -0.99582 WERE ABILENE ENERGY CENTER GAS TURBINE 1 1 40 0.00497 -0.10079 5 WERE CITY OF WELLINGTON 5 20 -0.99582 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.00463 -0.10045 5 WERE CITY OF WELLINGTON 6 19.5 -0.99582 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.00463 -0.10045 5 WERE CITY OF WELLINGTON 6 19.5 -0.99582 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.00463 -0.10045 5 WERE CITY OF WELLINGTON 6 19.5 -0.99582 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.00463 -0.10045 5 WERE CITY OF WELLINGTON 6 19.5 -0.99582 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.00463 -0.10045 5 WERE	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00508	-0.29722	2
WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.00497         -0.29711         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         206.1015         0.00506         -0.2972         2           WERE         CITY OF WINFIELD         1         1.02         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         206.1015         0.00506         -0.2972         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40 </td <td>WERE</td> <td>CITY OF WINFIELD</td> <td>Т</td> <td></td> <td>-0.29214</td> <td>WERE</td> <td>JEFFREY ENERGY CENTER UNIT 3</td> <td>1</td> <td></td> <td>0.00508</td> <td>-0.29722</td> <td>2</td>	WERE	CITY OF WINFIELD	Т		-0.29214	WERE	JEFFREY ENERGY CENTER UNIT 3	1		0.00508	-0.29722	2
WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         206.1015         0.00506         -0.2972         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         206.1015         0.00506         -0.2972         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         WERC         WACO         1         17.93 <td>WERE</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>2</td>	WERE		1					1				2
WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         206.1015         0.00506         -0.2972         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88	WERE	CITY OF WINFIELD	Т		-0.29214	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00497	-0.29711	2
WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2	WERE	CITY OF WINFIELD	1	26.6			LAWRENCE ENERGY CENTER UNIT 5	1	206.1015	0.00506		2
WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WELLINGTON         5         20         -0.99582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497 <td< td=""><td>WERE</td><td></td><td>T</td><td></td><td></td><td></td><td></td><td>1</td><td>206.1015</td><td></td><td></td><td>2</td></td<>	WERE		T					1	206.1015			2
WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00463         -0.10079         5           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00463	WERE		1					1		0.00516		2
WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.00516         -0.2973         2           WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463<	WERE	CITY OF WINFIELD	Т	10.2	-0.29214	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00516	-0.2973	2
WERE         CITY OF WINFIELD         1         26.6         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00427         -0.10079         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         BBU - CITY OF MCPHERSON GAS TURBINE 1         1         40         0.00497         -0.10045         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30	WERE	CITY OF WINFIELD	1	26.6			TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00516	-0.2973	2
WERE         CITY OF WINFIELD         T         10.2         -0.29214 WERE         WACO         1         17.93         0.01042         -0.30256         2           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00463         -0.10079         5           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5	WERE	CITY OF WINFIELD	Т		-0.29214	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00516	-0.2973	2
WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5	WERE	CITY OF WINFIELD	1	26.6	-0.29214	WERE	WACO	1	17.93	0.01042	-0.30256	2
WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.00497         -0.10079         5           WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5	WERE	CITY OF WINFIELD	Т	10.2	-0.29214	WERE	WACO	1	17.93	0.01042	-0.30256	2
WERE         CITY OF WELLINGTON         5         20         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5           WERE         CITY OF WELLINGTON         6         19.5         -0.09582 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         30         0.00463         -0.10045         5	WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00497	-0.10079	5
WERE CITY OF WELLINGTON 6 19.5 -0.09582 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 30 0.00463 -0.10045 5	WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.00497	-0.10079	5
	WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00463	-0.10045	5
WERE CITY OF WELLINGTON 5 20 -0.09582 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 30 0.00463 -0.10045 5	WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00463	-0.10045	5
	WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00463	-0.10045	5

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00463 -0.10045	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00463 -0.10045	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00463 -0.10045	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00463 -0.10045	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00463 -0.10045	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	CHANUTE GENERATION SUB	14	21.25	0.00397 -0.09979	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	CHANUTE GENERATION SUB	14	21.25	0.00397 -0.09979	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	CLAY CENTER JUNCTION	1	9999	0.00507 -0.10089	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	CLAY CENTER JUNCTION	1	9999	0.00507 -0.10089	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01032 -0.10614	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01032 -0.10614	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01032 -0.10614	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01032 -0.10614	5
WERE	CITY OF WELLINGTON	5	20	-0.09582		EVANS ENERGY CENTER UNIT 1	1	89.272	0.01032 -0.10614	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	EVANS ENERGY CENTER UNIT 1	1	89.272	0.01032 -0.10614	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01032 -0.10614	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01032 -0.10614	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00645 -0.10227	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	GILL ENERGY CENTER UNIT 2	1	27	0.00645 -0.10227	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00945 -0.10527	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00945 -0.10527	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01044 -0.10626	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582		GILL ENERGY CENTER UNIT 4	1	77	0.01044 -0.10626	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00453 -0.10035	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00453 -0.10035	5
WERE	CITY OF WELLINGTON	5	20	-0.09582		JEFFREY ENERGY CENTER UNIT 1	1	470	0.0051 -0.10092	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582		JEFFREY ENERGY CENTER UNIT 1	1	470	0.0051 -0.10092	5
WERE	CITY OF WELLINGTON	5	20	-0.09582	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00508 -0.1009	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582		JEFFREY ENERGY CENTER UNIT 2	1	470	0.00508 -0.1009	5
WERE	CITY OF WELLINGTON	5	20	-0.09582		JEFFREY ENERGY CENTER UNIT 3	1	470	0.00508 -0.1009	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582		JEFFREY ENERGY CENTER UNIT 3	1	470	0.00508 -0.1009	5
WERE	CITY OF WELLINGTON	5	20	-0.09582		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00497 -0.10079	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00497 -0.10079	5
WERE	CITY OF WELLINGTON	5	20	-0.09582		LAWRENCE ENERGY CENTER UNIT 5	1	206.1015	0.00506 -0.10088	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582		LAWRENCE ENERGY CENTER UNIT 5	1	206.1015	0.00506 -0.10088	5
WERE	CITY OF WELLINGTON	5	20	-0.09582		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00516 -0.10098	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00516 -0.10098	5
WERE	CITY OF WELLINGTON	5	20	-0.09582		TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00516 -0.10098	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582		TECUMSEH ENERGY CENTER UNIT 8	1	88	0.00516 -0.10098	5
WERE	CITY OF WELLINGTON	5	20	-0.09582		WACO	1	17.93	0.01042 -0.10624	5
WERE	CITY OF WELLINGTON	6	19.5	-0.09582	WERE	WACO	1	17.93	0.01042 -0.10624	5

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1 ROSE HILL JUNCTION - WEAVER 69KV CKT 1

Direction:

To->From EL PASO - FARBER 138KV CKT 1 57837576041570395704214406SH Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032990	1.6	9.7
1032990	1.9	9.7
1032990	1.9	9.7
1032990	1.6	9.7
1032990	1.9	9.7
1032990	1.9	9.7
1032993	1.1	9.7
1032993	1.1	9.7
1033723	1.1	9.7
1033723	1.1	9.7
1034312	2.0	9.7
1034312	2.0	9.7

1004012	2.0		Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			
						2					Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	16.29932	0.01046	-0.30052	2 ;
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01045	-0.30051	1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	3
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	6 (
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	WACO	1	17.964	0.01068	-0.30074	1 :
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	3
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CHANUTE GENERATION SUB	14	33.658	0.00408	-0.29414	1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	1 :
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	7 ;
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	3
WERE	CITY OF WINFIELD	1	25			JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00505	-0.29511	1
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	235.158	0.00514	-0.2952	2 ;
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00523	-0.29529	9 :
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00523	-0.29529	9 :
WERE	CITY OF WINFIELD	1	25	-0.29006	WERE	CITY OF WELLINGTON	5	20	-0.09881	-0.19125	5

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: ROSE HILL JUNCTION - WEAVER 69KV CKT 1 ROSE HILL JUNCTION - WEAVER 69KV CKT 1

To->From EL PASO - FARBER 138KV CKT 1 57837576041570395704214406SP Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032990	3.6	12.3
1032990		12.3
1032990	2.2	12.3
1032990	3.6	12.3
1032990	2.0	12.3
1032990	2.2	12.3
1032993	1.1	12.3
1032993	1.1	12.3
1033723	1.2	12.3
1033723	1.2	12.3
1034312	2.2	12.3
1034312	2.2	12.3

1034	312	2.2	12.3								
			Maximum		Sink			Maximum			Redispatch
2	0	0	Incremen	GSF.	Control	O'-I	0:-1-1-1	Decrement(	005		Amount
Source Control Area	Source	Source			Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CITY OF WINFIELD	1	14.			EVANS ENERGY CENTER GAS TURBINE 2	1	25		-0.30052	
WERE	CITY OF WINFIELD	1	14.			EVANS ENERGY CENTER GAS TURBINE 3	1	60	0.01046	-0.30052	
WERE	CITY OF WINFIELD	1	14.			EVANS ENERGY CENTER UNIT 1	1	120	0.01045		4
WERE	CITY OF WINFIELD	1	14.			EVANS ENERGY CENTER UNIT 2	1	324.8115			
WERE	CITY OF WINFIELD	1	14.			GILL ENERGY CENTER UNIT 1	1	18	0.00691	-0.29697	
WERE	CITY OF WINFIELD	1	14.			GILL ENERGY CENTER UNIT 2	1	27	0.00694		
WERE	CITY OF WINFIELD	1	14.			GILL ENERGY CENTER UNIT 3	1	78	0.00977	-0.29983	
WERE	CITY OF WINFIELD	1	14.			GILL ENERGY CENTER UNIT 4	1	77	0.0107	-0.30076	
WERE	CITY OF WINFIELD	1	14.			WACO	1	17.97	0.01068	-0.30074	
WERE	CITY OF WINFIELD	1	14.			ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.005	-0.29506	
WERE	CITY OF WINFIELD	1	14.			BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.00464	-0.2947	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30	0.00464	-0.2947	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.00464	-0.2947	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.00464	-0.2947	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	CHANUTE GENERATION SUB	14	42.755	0.00408	-0.29414	1 4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	CITY OF ERIE	1	20	0.00408	-0.29414	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30	0.00451	-0.29457	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30	0.00451	-0.29457	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	20	0.00451	-0.29457	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.00451	-0.29457	7 4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00517	-0.29523	3 4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00515	-0.29521	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00515	-0.29521	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	0.00505	-0.29511	4
WERE	CITY OF WINFIELD	1	14.	8 -0.29006	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	75	0.00505	-0.29511	4
WERE	CITY OF WINFIELD	1	14			LAWRENCE ENERGY CENTER UNIT 5	1	236,4678	0.00514	-0.2952	2 4
WERE	CITY OF WINFIELD	1	14			TECUMSEH ENERGY CENTER UNIT 7	1	55	0.00523	-0.29529	
WERE	CITY OF WINFIELD	1	14			TECUMSEH ENERGY CENTER UNIT 8	11	103	0.00523	-0.29529	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1 ROSE HILL JUNCTION - WEAVER 69KV CKT 1

Direction:

To->From EL PASO - FARBER 138KV CKT 1 57837576041570395704214406WP Line Outage: Flowgate:

Date Redispatch Needed: 12/1/06 - 4/1/07

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032990	0.7	3.4
1032990	0.5	3.4
1032990	0.6	3.4
1032990	0.7	3.4
1032990	0.5	3.4
1032990	0.6	3.4
1032993		3.4
1032993	0.3	3.4
1032993	0.3	3.4
1032993	0.3	3.4
1033723	0.3	3.4
1033723		3.4
1034312	0.6	3.4
1034312	0.6	3.4

Decement   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source	1034312	0.6	3.4	1								
Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   S				Maximum		Sink			Maximum			Redispatch
FRE				Increment(		Control			Decrement(			Amount
FERE	Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
CITY OF WINFIELD	WERE	CITY OF WINFIELD	1					14				
FERE	WERE	CITY OF WINFIELD	T	10.2	-0.29001	WERE	CHANUTE GENERATION SUB	14	22.764	0.00408	-0.29409	11
FERE	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.01045	-0.30046	11
FERE	WERE	CITY OF WINFIELD	T			WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.01045		11
FREE	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	0.0045	-0.29451	1
Fight	WERE	CITY OF WINFIELD	T	10.2	-0.29001	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	0.0045	-0.29451	1
ERE	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00516	-0.29517	1
ERE	WERE	CITY OF WINFIELD	T	10.2	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00516	-0.29517	1
ERE	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00514	-0.29515	1
FERE	WERE	CITY OF WINFIELD	T	10.2	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00514	-0.29515	1
ERE	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00514	-0.29515	1
T	WERE	CITY OF WINFIELD	T	10.2	-0.29001	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00514	-0.29515	1
1	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00504	-0.29505	11
T	WERE	CITY OF WINFIELD	T	10.2	-0.29001	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00504	-0.29505	1
ERE	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.5962	0.00512	-0.29513	11
T	WERE	CITY OF WINFIELD	T	10.2	-0.29001	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.5962	0.00512	-0.29513	1
ERE	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	64.43359	0.00522	-0.29523	1
ERE	WERE	CITY OF WINFIELD	Т	10.2	-0.29001	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	64.43359	0.00522	-0.29523	11
CITY OF WELLINGTON	WERE	CITY OF WINFIELD	1	26.6	-0.29001	WERE	WACO	1	17.953	0.01068	-0.30069	11
ERE	WERE	CITY OF WINFIELD	T	10.2	-0.29001	WERE	WACO	1	17.953	0.01068	-0.30069	11
ERE	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.01045	-0.10922	3
CITY OF WELLINGTON	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.01045	-0.10922	3
ERE	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	WACO	1	17.953	0.01068	-0.10945	3
ERE	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	WACO	1	17.953	0.01068	-0.10945	3
ERE	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00516	-0.10393	32
ERE	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00516	-0.10393	33
ERE   CITY OF WELLINGTON   5   20   -0.09877   WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.00514   -0.10391	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00514	-0.10391	32
ERE	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00514	-0.10391	32
ERE	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00514	-0.10391	32
ERE   CITY OF WELLINGTON   6   19.5   -0.09877   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   60   0.00504   -0.10381	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00514	-0.10391	32
ERE	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00504	-0.10381	32
ERE	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00504	-0.10381	32
ERE   CITY OF WELLINGTON   5   20   -0.09877   WERE   TECUMSEH ENERGY CENTER UNIT 8   1   64.43359   0.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -0.10399   1.00522   -	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.5962	0.00512	-0.10389	32
FERE	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.5962	0.00512	-0.10389	32
ERE	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	64.43359	0.00522	-0.10399	32
ERE	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	64.43359	0.00522	-0.10399	32
FERE CITY OF WELLINGTON 6 19.5 -0.09877 WERE CHANUTE GENERATION SUB 14 22.764 0.00408 -0.10285 (FERE CITY OF WELLINGTON 5 20 -0.09877 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 40 0.0045 -0.10327	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	CHANUTE GENERATION SUB	14	22.764	0.00408	-0.10285	33
FEE CITY OF WELLINGTON 5 20 -0.09877 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 40 0.0045 -0.10327	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	CHANUTE GENERATION SUB	14	22.764	0.00408	-0.10285	33
ERE CITY OF WELLINGTON 6 19.5 -0.09877 WERE HUTCHINSON ENERGY CENTER UNIT 4 1 40 0.0045 -0.10327	WERE	CITY OF WELLINGTON	5	20	-0.09877	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	0.0045	-0.10327	33
	WERE	CITY OF WELLINGTON	6	19.5	-0.09877	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	0.0045	-0.10327	33

POILT OF WELLINGTON ENERGY C Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1 SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
From->To
NORTON - NORTON 161KV CKT 1

Line Outage: 58063580941961055806411206SH Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

Date Redispatch Needed.	6/1/06 - 10/1/06										
		Aggregate									
	D 11 4 A	Relief									
Reservation	Relief Amount	Amount	_								
10315		1.0 2									
10329	954	1.2 2	.2		Ta						
			Maximum		Sink			Maximum			Redispatch
			Increment		Control	0: 1	0: 1 11	Decrement			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF		(MW)
KACP	CITY OF HIGGINSVILLE	1	3			MARSHALL	1	30		-0.30954	
KACP	CITY OF HIGGINSVILLE	1	3			HAWTHORN COMBUSTION TURBINE #6	6	92		-0.23575	
KACP	CITY OF HIGGINSVILLE	1	3			HAWTHORN UNIT #5	5	455		-0.23575	
KACP	CITY OF HIGGINSVILLE	1	3			HAWTHORN UNIT #9	9	45.7686		-0.23575	
KACP	CITY OF HIGGINSVILLE	1	3			IATAN UNIT #1	1	396		-0.2367	
KACP	CITY OF HIGGINSVILLE	1	3			LACYGNE UNIT #1	1	485		-0.23617	
KACP	CITY OF HIGGINSVILLE	1	3			LACYGNE UNIT #2	2	477		-0.23617	
KACP	CITY OF HIGGINSVILLE	1	3			MONTROSE UNIT #1	1	127		-0.23376	
KACP	CITY OF HIGGINSVILLE	1	3			MONTROSE UNIT #2	2	121		-0.23376	
KACP	CITY OF HIGGINSVILLE	1	3			MONTROSE UNIT #3	3	107.1369		-0.23376	
KACP	MONTROSE UNIT #3	3	25.8631			MARSHALL	1	30		-0.07578	28
KACP	BULL CREEK COMBUSTION TURBINE #1	1	7	0.00101		MARSHALL	1	30		-0.07366	
KACP	BULL CREEK COMBUSTION TURBINE #2	2	7	7 -0.00461	KACP	MARSHALL	1	30	0.06905	-0.07366	29
KACP	BULL CREEK COMBUSTION TURBINE #3	3	7	7 -0.00461	KACP	MARSHALL	1	30	0.06905	-0.07366	29
KACP	BULL CREEK CT #4	4	7	7 -0.00461	KACP	MARSHALL	1	30	0.06905	-0.07366	
KACP	GARDNER	1	1	1 -0.00467	KACP	MARSHALL	1	30	0.06905	-0.07372	29
KACP	GRAND AVENUE COMBUSTINE TURBINES	7	3	3 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29
KACP	GRAND AVENUE COMBUSTINE TURBINES	9	3:	2 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29
KACP	HAWTHORN COMBUSTION TURBINE #7	7	7	7 -0.00474	KACP	MARSHALL	1	30	0.06905	-0.07379	29
KACP	HAWTHORN COMBUSTION TURBINE #8	8	7	7 -0.00474	KACP	MARSHALL	1	30	0.06905	-0.07379	29
KACP	HAWTHORN UNIT #9	9	22.231	4 -0.00474	KACP	MARSHALL	1	30	0.06905	-0.07379	29
KACP	NORTHEAST COMBUSTINE TURBINES NORTH	1	5	5 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29
KACP	NORTHEAST CT #11	1	5	6 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29
KACP	NORTHEAST CT #13	1	5	6 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29
KACP	NORTHEAST CT #14	1	5	8 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29
KACP	NORTHEAST CT #15	1	5	8 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	29
KACP	NORTHEAST CT #16	1	5	8 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	
KACP	NORTHEAST CT #17	1	5	9 -0.00477	KACP	MARSHALL	1	30	0.06905	-0.07382	
KACP	NORTHEAST CT #18	1	5			MARSHALL	1	30	0.06905	-0.07382	29
KACP	PAOLA COMBUSTION TURBINES	1	7	7 -0.00465	KACP	MARSHALL	1	30	0.06905	-0.0737	

KACP PAOLA COMBUSTION TURBINES 1 77 -0.00465 KACP MARSHALL

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1 SOUTH WAVERLY 161/09KV TRANSFORMER CAT 1
FROM:>TO NORTON - NORTON 161KV CKT 1
58063580941961055806411206WP

Line Outage: Flowgate:

Date Redispatch Needed: 12/1/06 - 4/1/07

Reservation	Relief Amount	Relie										
		0.0	0.1	4								
		0.0	0.1	1								
10	332934	0.1	0.1	Maximum	1	Sink	1		Maximum			Redispato
				Increment(		Control			Decrement			Amount
Source Control Area	Source	Sour	ce Id		GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
ACP	CITY OF HIGGINSVILLE	1		, 36	-0.2405	KACP	HAWTHORN UNIT #5	5	455	-0.00475	-0.23579	<del>)                                    </del>
ACP	CITY OF HIGGINSVILLE	1		36	-0.2405	KACP	IATAN UNIT #1	1	396	-0.00378	-0.23676	j
ACP	CITY OF HIGGINSVILLE	1		36	-0.2405	KACP	LACYGNE UNIT #1	1	485	-0.00429	-0.23625	j i
ACP	CITY OF HIGGINSVILLE	1		36	-0.2405	1 KACP	LACYGNE UNIT #2	2	477	-0.00429	-0.23625	j i
ACP	CITY OF HIGGINSVILLE	1		36	-0.2405	1 KACP	MARSHALL	1	30	0.06893	-0.30947	/
ACP	CITY OF HIGGINSVILLE	1		36	-0.2405	1 KACP	MONTROSE UNIT #3	3	32.76614	-0.00673	-0.23381	
ACP	BULL CREEK COMBUSTION TURBINE #1	1		77	-0.0046	KACP	MARSHALL	1	30	0.06893	-0.07353	í
ACP	BULL CREEK COMBUSTION TURBINE #2	2		77	-0.0046	KACP	MARSHALL	1	30	0.06893	-0.07353	i
ACP	BULL CREEK COMBUSTION TURBINE #3	3		77	-0.0046	KACP	MARSHALL	1	30	0.06893	-0.07353	i
ACP	BULL CREEK CT #4	4		77			MARSHALL	1	30	0.06893		
ACP	GARDNER	1		11	-0.00466	KACP	MARSHALL	1	30	0.06893	-0.07359	1
(ACP	GRAND AVENUE COMBUSTINE TURBINES	7		33	-0.0047	KACP	MARSHALL	1	30	0.06893	-0.0737	
KACP	GRAND AVENUE COMBUSTINE TURBINES	9		32	-0.0047	KACP	MARSHALL	1	30	0.06893	-0.0737	1
(ACP	HAWTHORN COMBUSTION TURBINE #6	6		132	-0.0047	KACP	MARSHALL	1	30	0.06893	-0.07368	i
ACP	HAWTHORN COMBUSTION TURBINE #7	7		77	-0.0047	KACP	MARSHALL	1	30	0.06893	-0.07368	i
(ACP	HAWTHORN COMBUSTION TURBINE #8	8		77			MARSHALL	1	30			i
(ACP	HAWTHORN UNIT #9	9		137	-0.0047	KACP	MARSHALL	1	30	0.06893	-0.07368	i
(ACP	MONTROSE UNIT #1	1		170	-0.00673	KACP	MARSHALL	1	30			
(ACP	MONTROSE UNIT #2	2		164	-0.00673	KACP	MARSHALL	1	30	0.06893	-0.07566	j i
ACP	MONTROSE UNIT #3	3		100.2339	-0.00673	KACP	MARSHALL	1	30	0.06893	-0.07566	i
ACP	NORTHEAST COMBUSTINE TURBINES NORTH	1		55			MARSHALL	1	30	0.06893	-0.0737	1
(ACP	NORTHEAST CT #11	1		56			MARSHALL	1	30	0.06893	-0.0737	
ACP	NORTHEAST CT #13	1		56			MARSHALL	1	30			1
ACP	NORTHEAST CT #14	1		58	-0.0047	KACP	MARSHALL	1	30	0.06893	-0.0737	1
ACP	NORTHEAST CT #15	1		58	-0.0047	KACP	MARSHALL	1	30	0.06893		
ACP	NORTHEAST CT #16	1		58	-0.0047	KACP	MARSHALL	1	30	0.06893	-0.0737	1
ACP	NORTHEAST CT #17	1		59	-0.0047	KACP	MARSHALL	1	30			1
(ACP	NORTHEAST CT #18	1		58	-0.0047	KACP	MARSHALL	1	30	0.06893	-0.0737	
(ACP	PAOLA COMBUSTION TURBINES	1		77	-0.00462	KACP	MARSHALL	1	30	0.06893	-0.07355	j

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1 SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1
From->To
NORTON - NORTON 161KV CKT 1

Direction:

Line Outage: 58063580941961055806412207SH Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

Dute Realspater Neceuca.	6/1/6/ 16/1/6/		_								
		Aggregate Relief									
<u> </u>											
Reservation	Relief Amount	Amount									
1031553	3 1.1	2.1									
1032954	1.:	2 2.1									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	HAWTHORN COMBUSTION TURBINE #6	6	92	-0.00475	-0.23578	9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	HAWTHORN COMBUSTION TURBINE #7	7	67.07471	-0.00475	-0.23578	9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	HAWTHORN UNIT #5	5	455	-0.00475	-0.23578	9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	HAWTHORN UNIT #9	9	68	-0.00475	-0.23578	9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	IATAN UNIT #1	1	396	-0.00378	-0.23675	9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	LACYGNE UNIT #1	1	481	-0.00429	-0.23624	. 9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	LACYGNE UNIT #2	2	477	-0.00429	-0.23624	9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	MONTROSE UNIT #1	1	127	-0.00673	-0.2338	9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	MONTROSE UNIT #2	2	121	-0.00673	-0.2338	9
KACP	CITY OF HIGGINSVILLE	1	36	-0.24053	KACP	MONTROSE UNIT #3	3	106.7505	-0.00673	-0.2338	9

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 To->From HOYT - STRANGER CREEK 345KV CKT 1 57270571821567655677211106FA 10/1/06 - 12/1/06 Upgrade: Limiting Facility: Direction:

Line Outage: Flowgate:

Date Redispatch Needed:

Total	Date Redispatch Needed:	10/1/06 - 12/1/06		-								
Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Round   Roun			Aggregate									
100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   100006   1		5 " (4										
1922-2022   1922-2022-2022-2022-2022-2022-2022-2022-												
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Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   S												
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WERE LAWRENCE DERROY CENTER UNIT 5 1 19,0001 - 0.1541 WERE LAWRENCE CENTER UNIT 7 0.0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2077   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2078   19,0001 0.16338 - 0.2			1					1				16
WERE LAWFERCE DEREVOY CENTER UNTS 1 35 7007 - 00807 WERE TO COMMENT TO 1 40 0 10803 - 028727 - 1			1					11				16
WERE LAWFERCE DERROY CENTER UNTS 1 5,51027 - 0.0867/WERE   1.00867   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617   0.08617			1					1				16
MERE LAMPRING ENERGY CENTER UNIT 3 99 0-1559/WERE 2FFFRY YERROY CENTER UNIT 1 1 477 00009 0-22488			1					1				20
WERE AMPRIENCE BERKY CENTER (UNIT 3 1 96 0.1546) WERE PERFEY ENERGY CENTER (UNIT 4 70 0.00094 0.224666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666 7.24666			1					1				20 22
MERRE   LAMPRICE EMERGY CENTER (UNIT 3   1   470   0,0007   0,22868   2,22888   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2288   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,2888   2,28			1					1				
AWRENCE ENERGY CENTER UNIT 4			1					1				22
MERE LAWRENCE ENROY CENTER UNT 1 1 19,0000 - 0,1574   WEER   1,476   0,0000 - 0,2735   2,747   MERE LAWRENCE ENROY CENTER UNT 3 1 1 9,000 - 0,574   WEER   1,476   0,0000 - 0,2735   2,747   MERE LAWRENCE ENROY CENTER UNT 3 1 1 9,000 - 0,000 - 0,000 - 0,000 - 0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 3 1 1 9,000 - 0,000 - 0,000   0,000 - 0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 3 1 1 9,000 - 0,000 - 0,000   0,000   0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 3 1 9,000 - 0,000   0,000   0,000   0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 3 1 9,000 - 0,000   0,000   0,000   0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 3 1 9,000 - 0,000   0,000   0,000   0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 3 1 9,000 - 0,000   0,000   0,000   0,000   0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 3 1 9,000 - 0,000   0,000   0,000   0,000   0,000   0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 3 1 9,000 - 0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   MERE LAWRENCE ENROY CENTER UNT 4 1 9,000 - 0,000 - 0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000   0,000			1					1				22
WERE LAWRENCE ENROY CENTER UNT 3 1 90,000 d. 0.1574   WERE   LAWRENCE ENROY CENTER UNT 3 1 80 0.1546   WERE   LAWRENCE ENROY CENTER UNT 4 1 10,000 d. 0.1574   WERE   LAWRENCE ENROY CENTER UNT 4 1 10,000 d. 0.1574   WERE   LAWRENCE ENROY CENTER UNT 3 1 5 9 0.1546   WERE   LAWRENCE ENROY CENTER UNT 3 1 5 9 0.1546   WERE   LAWRENCE ENROY CENTER UNT 3 1 5 9 0.1546   WERE   LAWRENCE ENROY CENTER UNT 3 1 5 9 0.1546   WERE   LAWRENCE ENROY CENTER UNT 3 1 5 9 0.1546   WERE   LAWRENCE ENROY CENTER UNT 3 1 5 9 0.1546   WERE   PUL CITY OF MOPHERSON AST URBINE 2 1 9,2653   0.0544   20,003   WERE   LAWRENCE ENROY CENTER UNT 3 1 5 9 0.1546   WERE   PUL CITY OF MOPHERSON AST URBINE 2 1 1 9,2653   0.0544   20,003   WERE   LAWRENCE ENROY CENTER UNT 3 1 5 9 0.1546   WERE   PUL CITY OF MOPHERSON AST URBINE 4 1 5 9,0054   0.003   WERE   LAWRENCE ENROY CENTER UNT 4 1 1 9,000   0.1574   WERE   PUL CITY OF MOPHERSON AST URBINE 4 1 2 9,0054   0.003   WERE   LAWRENCE ENROY CENTER UNT 4 1 1 9,000   0.1574   WERE   PUL CITY OF MOPHERSON AST URBINE 4 1 1 9,000   0.0544   0.003   WERE   LAWRENCE ENROY CENTER UNT 4 1 1 9,000   0.1574   WERE   PUL CITY OF MOPHERSON AST URBINE 4 1 1 9,000   0.0544   0.003   WERE   LAWRENCE ENROY CENTER UNT 4 1 1 9,000   0.1574   WERE   PUL CITY OF MOPHERSON AST URBINE 4 1 1 9,000   0.0544   0.003   WERE   LAWRENCE ENROY CENTER UNT 4 1 1 9,000   0.1574   WERE   PUL CITY OF MOPHERSON AST URBINE 4 1 1 1 9,000   0.1574   WERE   PUL CITY OF MOPHERSON AST URBINE 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1					1				22
WERE LAWRENCE ENERGY CENTER UNIT 4 1 190000 1,01574 [WERE ALL PROPERTIES AND THRIBME 1 1 40 0,0003 0,21524 [WERE ALL PROPERTIES AND THRIBME 1 1 40 0,0003 0,21777 ] WERE LAWRENCE ENERGY CENTER UNIT 3 1 93 0,1548 [WERE BLUTTON TO MAN PROPERTIES AND THRIBME 1 1 40 0,0003 0,0003 1,0003 [WERE ALL PROPERTIES AND THRIBME 1 1 1 30 0,0003 1,0003 [WERE ALL PROPERTIES AND THRIBME 1 1 1 30 0,0003 1,0003 [WERE ALL PROPERTIES AND THRIBME 1 1 1 30 0,0003 1,0003 [WERE ALL PROPERTIES AND THRIBME 1 1 1 1 30 0,0003 1,0003 [WERE ALL PROPERTIES AND THRIBME 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1					1				22
WERE			1					1				22
MERE LAWRENCE ENERGY CENTER UNIT 3 1 99 0.15444   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20638   -0.20			1					1				23
MERE LAWRENCE ENERGY CENTER UNIT 3 1 59 0,15464 WEERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 19,2838 0,05144 2,20038 2, WERE LAWRENCE ENERGY CENTER UNIT 3 1 59 0,15464 WEERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 1 20 0,05144 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2 2,0005 2			1					1				23
WERE LAWRENCE ENRERY CENTER UNT 3 1 96 0.1546   WERE   BPU - CITY OF MCPHERON OAS TURBINE 4 1 55 0.0514   2,20538   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,2058   2,20			1					1				24
MERE LAWRENCE ENERGY CENTER UNIT 3 1 59 0.1546/WERE BPU. CITY OF MCPHERSON STEAM PLANT 1 20 0.05144 0.20885 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0.1574   WERE BPU. CITY OF MCPHERSON CAS TURBINE 2 1 19,0058 0.05144 0.20885 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0.1574   WERE BPU. CITY OF MCPHERSON CAS TURBINE 2 1 19,0058 0.05144 0.20885 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0.1574   WERE BPU. CITY OF MCPHERSON CAS TURBINE 2 1 19,0058 0.05144 0.20885 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0.1574   WERE BPU. CITY OF MCPHERSON GAS TURBINE 2 1 0.0584 0.2085 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0.1574   WERE BPU. CITY OF MCPHERSON STEAM PLANT 1 20 0.05144 0.20885 2 MERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0.1574   WERE BPU. CITY OF MCPHERSON STEAM PLANT 1 20 0.05144 0.20885 2 MERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0.1574   WERE BPU. CITY OF MCPHERSON STEAM PLANT 1 20 0.05144 0.20885 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0.1574   WERE EVAN STEAM PLANT 1 1 19,0001 0.1574   WERE EVAN STEAM PLANT 1 1 19,0001 0.1574   WERE EVAN STEAM PLANT 1 1 19,0001 0.1574   WERE EVAN STEAM PLANT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1					1				24
MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON CAS TURBINE 1 30 0,05144 0,20885 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON CAS TURBINE 2 1 19,26858 0,05144 0,20885 2 MERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON CAS TURBINE 4 1 95 0,05141 0,20882 2 MERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON CAS TURBINE 4 1 95 0,05141 0,20882 2 MERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON SEAM PLANT 1 1 20 0,0585 2 MERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON SEAM PLANT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1					1				24
MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 9,2658 0,05144 0,20885 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 19,2650 0,05144 0,20885 2 MERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 20 0,05144 0,20885 2 MERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0,1574   WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 20 0,05144 0,20885 2 MERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 4 1 19,0001 0,1574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 77 0,0133 0,17077   WERE LAWRENCE ENERGY CENTER UNIT 3 1 77 0,0133 0,17077   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE LAWRENCE ENERGY CENTER UNIT 3 1 9,000 1,01574   WERE			1					1				24
MERE LAWRENCE EMERGY CENTER UNIT 4 1 19,00001 -0,17541   WERE BPU_CITY OF MCPHERSON GAS TURBINE 4 1 55 0,05141 -0,20882   MERE LAWRENCE EMERGY CENTER UNIT 4 1 19,00001 -0,17541   WERE BPU_CITY OF MCPHERSON GAS TURBINE 4 1 20 0,0483 -0,20571   MERE LAWRENCE EMERGY CENTER UNIT 4 1 19,0001 -0,15741   WERE LAWRENCE EMERGY CENTER UNIT 4 1 120 0,0483 -0,20571   MERE LAWRENCE EMERGY CENTER UNIT 4 1 120 0,0483 -0,20574   MERE LAWRENCE EMERGY CENTER UNIT 4 1 120 0,0483 -0,20574   MERE LAWRENCE EMERGY CENTER UNIT 4 1 120 0,0483 -0,20574   MERE LAWRENCE EMERGY CENTER UNIT 4 1 1 120 0,0483 -0,20574   MERE LAWRENCE EMERGY CENTER UNIT 4 1 1 1,00001 -1,0741   WERE LAWRENCE EMERGY CENTER UNIT 4 1 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 4 1 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 4 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE EMERGY CENTER UNIT 3 1 1,00001 -0,1741   WERE LAWRENCE			1					1				24
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MERE LAWRENCE ENERGY CENTER UNIT 3 1 190001 - 0.1544   WERE   LAWRENCE ENERGY CENTER UNIT 4 1 1900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 4 1 1900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 4 1 1900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 4 1 1900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 76 0.01324 - 0.17056   WERE   LAWRENCE ENERGY CENTER UNIT 4 1 1900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 4 1 1900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 77 0.01324 - 0.17071   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 900001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 90001 - 0.1574   WERE   LAWRENCE ENERGY CENTER UNIT 3 1 1 900001 - 0.1574   WERE   CHANUTE GENERATION SUB 1 14 1.1584   0.00273   WERE   CHANUTE GENERATION SUB 1 14 1.1584   0.00273   WERE   CHANUTE GENERATION SUB 1 14 1.1584   0.00273   WERE   CHANUTE GENERATION SUB 1 14 1.1584   0.00273   WERE   CHANUTE GENERATION SUB 1 14 1.1584   0.00273   WERE   CHANUTE GENERATION SUB 1 14 1.1584   0.00273   WERE   CHANUTE GENERATION SUB 1 14 1.1584   0.00273   WERE   CHANUTE GENERATION SUB 1 14 2.00001   0.1574   WERE   CHANUTE GENERATION SUB 1 14 2.00001   0.1574   WERE   CHANUTE GENERATION SUB 1 14 2.00001   0.15334   0.16001   0.1574   WERE   CHANUTE GENERATION SUB 1 14 2.00001   0.15334   0.16001   0.1574   WERE   CHAN			1					1				24
MERE LAWRENCE ENERGY CENTER UNIT 4   19,00001 -0.15741 WERE EVANS ENERGY CENTER GAS TURBINE 2   1   25   0.01389 -0.1713   2   MERE LAWRENCE ENERGY CENTER UNIT 4   19,00001 -0.15741 WERE LAWRENCE ENERGY CENTER UNIT 2   1   305   0.01324   0.17065   1   MERE LAWRENCE ENERGY CENTER UNIT 4   19,00001 -0.15741 WERE GILL ENERGY CENTER UNIT 3   1   77   0.01324   0.17065   1   MERE LAWRENCE ENERGY CENTER UNIT 4   19,00001 -0.15741 WERE GILL ENERGY CENTER UNIT 3   1   77   0.01334   0.017071   2   MERE LAWRENCE ENERGY CENTER UNIT 3   1   19,00001 -0.15741 WERE WAGO   1   17,957   0.01336   0.017077   2   MERE LAWRENCE ENERGY CENTER UNIT 3   1   59   0.15849 WERE EVANS ENERGY CENTER GAS TURBINE 2   1   25   0.01389   0.01890   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891   0.01891			1					1				25
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WREE			1					1				30
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WREE   LAWRENCE ENERGY CENTER UNIT 3   1   59   -0.15494   WRER   GILL ENERGY CENTER UNIT 4   1   777   0.0133   -0.16824   3			1					1				30
MERE			1					1				30
MERE   CHANUTE GENERATION SUB   14   15.84   0.00275   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   60   0.16336   0.16061   3			1					1				30
MERE   CHANUTE GENERATION SUB   14   15.84   0.00275   WERE   LAWRENCE ENERGY CENTER UNIT 8   1   88.00001   0.16336   0.16061   3   MERE   LAWRENCE ENERGY CENTER UNIT 4   1   19.0001   0.15741   WERE   CHANUTE GENERATION SUB   14   26.96   0.00275   0.16016   3   MERE   LAWRENCE ENERGY CENTER UNIT 3   1   67   0.00273   WERE   CITY OF ERIE   1   19.971   0.00275   0.16016   3   MERE   NEOSHO ENERGY CENTER UNIT 3   1   67   0.00273   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   0.16063   3   MERE   LAWRENCE ENERGY CENTER UNIT 3   1   59   0.15949   WERE   CHANUTE GENERATION SUB   14   26.96   0.00275   0.16063   3   MERE   LAWRENCE ENERGY CENTER UNIT 3   1   59   0.15949   WERE   CHANUTE GENERATION SUB   14   26.96   0.00275   0.15769   3   MERE   LAWRENCE ENERGY CENTER UNIT 3   1   59   0.15949   WERE   CHANUTE GENERATION SUB   14   26.96   0.00275   0.15769   3   MERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   470   0.06994   0.15931   3   WERE   CITY OF WELLINGTON   5   20   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WINFIELD   1   40   0.16336   0.153			14					1				31
MERE   LAWRENCE ENERGY CENTER UNIT 4   1   19,00001   0.15741   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   19,00001   0.15741   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   67   0.00273   WERE   NEOSHO ENERGY CENTER UNIT 3   1   67   0.00273   WERE   NEOSHO ENERGY CENTER UNIT 3   1   67   0.00273   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   67   0.00273   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   59   0.15494   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   55   0.15494   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   55   0.15494   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   15,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   35,71027   0.08937   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   470   0.06994   0.15931   3   WERE   CITY OF WELLINGTON   5   20   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   CITY OF WELLINGTON   6   19.5								1				31
MERE   LAWRENCE ENERGY CENTER UNIT 4   1   19.0001   1.15741   WERE   CITY OF ERIE   1   19.971   0.00275   0.16016   3			1					14				31
MERE   NEOSHO ENERGY CENTER UNIT 3   1   67   0.00273   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   0.16063   3   3   3   67   0.00273   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   0.16063   3   3   3   67   0.00273   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   59   -0.15494   WERE   CHANUTE GENERATION SUB   14   20.66   0.00275   -0.15769   3   3   3   3   3   3   3   3   3			1					1				31
MERE   NEOSHO ENERGY CENTER UNIT 3			1					1				31
MERE   LAWRENCE ENERGY CENTER UNIT 3   1   59   -0.15494   WERE   CHANUTE GENERATION SUB   14   26.96   0.00275   -0.15769   32   MERE   LAWRENCE ENERGY CENTER UNIT 3   1   59   -0.15494   WERE   CITY OF ERIE   1   19.971   0.00275   -0.15769   33   MERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.06917   -0.15854   34   MERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.06994   -0.15931   35   MERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.06994   -0.15931   35   MERE   CITY OF WELLINGTON   5   20   0.01138   WERE   JEFFREY ENERGY CENTER UNIT 7   1   40   0.16336   -0.15198   35   MERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   -0.15198   35   MERE   CITY OF WELLINGTON   5   20   0.01138   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   -0.15198   35   MERE   CITY OF WELLINGTON   5   20   0.01138   WERE   TECUMSEH ENERGY CENTER UNIT 8   1   68.00001   0.16336   -0.15198   35   MERE   CITY OF WELLINGTON   6   19.5   0.01138   WERE   TECUMSEH ENERGY CENTER UNIT 8   1   68.00001   0.16336   -0.15198   35   MERE   CITY OF WINFIELD   1   20.95499   0.01049   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   -0.15207   35   MERE   CITY OF WINFIELD   1   20.95499   0.01049   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   -0.15207   35   MERE   GETTY   1   35   0.01206   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   -0.15207   35   MERE   GETTY   1   35   0.01206   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   -0.15207   35   MERE   GETTY   1   35   0.01206   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   -0.15032   35   MERE   GILL ENERGY CENTER UNIT 1   1   44   0.01304   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16336   -0.15032   35   MERE   GILL ENERGY CENTER UNIT 1   1   44   0.01304   W			1					11				31
NERE	WERE		1					14				32
NERE   LAWRENCE ENERGY CENTER UNIT 5   1   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.06917   -0.15854   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.06994   -0.15931   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.06994   -0.15931   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.06994   -0.15931   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.06994   -0.15931   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.06994   -0.15931   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.06994   -0.15931   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 5   1   40   0.16336   -0.15198   35.71027   -0.08937   WERE   JEFFREY ENERGY CENTER UNIT 7   1   40   0.16336   -0.15198   35.71027   JEFFREY ENERGY CENTER UNIT 8   1   40   0.16336   -0.15198   35.71027   JEFFREY ENERGY CENTER UNIT 8   1   40   0.16336   -0.15198   35.71027   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   40   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1   JEFFREY ENERGY CENTER UNIT 8   1	WERE		1					1				32
MERE	WERE		1					1				32
NERE	WERE		1					1				32
NERE	WERE		1					1				32
MERE	WERE		5					1				33
VERE   CITY OF WELLINGTON   5   20   0.01138   WERE   TECUMSEH ENERGY CENTER UNIT 8   1   68.00001   0.16336   -0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   0.15198   3.0   3.0   0.15198   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.0   3.	WERE		6					1				33
WERE	WERE		5					1	68.00001			33
NERE	WERE		6					1				33
WERE         CITY OF WINFIELD         1         20,95499         0.01049 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68,00001         0.18336         -0.15287         3           WERE         GETTY         1         35         0.01206 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.1513         3           WERE         GETTY         1         35         0.01206 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68,00001         0.16336         -0.1513         3           WERE         GILL ENERGY CENTER UNIT 1         1         44         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.15032         3           WERE         GILL ENERGY CENTER UNIT 1         1         44         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.15032         3           WERE         GILL ENERGY CENTER UNIT 2         1         74         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001         0.16336         -0.15032         3           WERE         GILL ENERGY CENTER UNIT 3         1         74         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 8         1	WERE		1		0.01049			1				33
MERE   GETTY	WERE	CITY OF WINFIELD	1	20.95499	0.01049	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.15287	33
WERE         GILL ENERGY CENTER UNIT 1         1         44         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336 -0.15032         3           WERE         GILL ENERGY CENTER UNIT 1         1         44         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001 0.16336 -0.15032         3           WERE         GILL ENERGY CENTER UNIT 2         1         74         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336 -0.15032         3           WERE         GILL ENERGY CENTER UNIT 2         1         74         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001 0.16336 -0.15032         3           WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336 -0.15012         3           WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336 -0.15012         3           WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336 -0.15012         3           W	WERE	GETTY	1		0.01206	WERE		1				33
VERE   GILL ENERGY CENTER UNIT 1	WERE	GETTY	1	35	0.01206	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336	-0.1513	33
VERE   GILL ENERGY CENTER UNIT 1	WERE		1					1				33
WERE         GILL ENERGY CENTER UNIT 2         1         74         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.15032         3           WERE         GILL ENERGY CENTER UNIT 2         1         74         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001         0.16336         -0.15032         3           WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.15012         3           WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.15012         3           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         80         0.01389 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.14947         3	WERE		1	44				1	68.00001			33
WERE         GILL ENERGY CENTER UNIT 2         1         74         0.01304 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001         0.16336         -0.15032         3           WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.15012         3           WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001         0.16336         -0.15012         3           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         80         0.01389 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.15042         3	WERE		1			WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.15032	33
WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336 -0.15012         3           WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001         0.16336 -0.15012         3           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         80         0.01389 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336 -0.15947         3	WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01304	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			33
WERE         GILL ENERGY CENTER UNIT 3         1         12         0.01324 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001         0.16336         -0.15012         3           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         80         0.01389 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.14947         3	WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01324	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336		33
WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         80         0.01389 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16336         -0.14947         3	WERE		1	12				1	68.00001			33
	WERE	EVANS ENERGY CENTER GAS TURBINE 1	1		0.01389	WERE		1	40	0.16336	-0.14947	34
	WERE		1					1	68.00001	0.16336	-0.14947	34

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE WERE WERE	EVANS ENERGY CENTER GAS TURBINE 3 1 EVANS ENERGY CENTER GAS TURBINE 3 1	54 54	0.01389 WERE	TECUMSEH ENERGY CENTER UNIT 7		40	0.16336 -0.14947	
			0.01389 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.14947	34 34
	EVANS ENERGY CENTER UNIT 1 1	151	0.0139 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.14946	34
WERE	EVANS ENERGY CENTER UNIT 1 1	151	0.0139 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.14946	34
WERE	EVANS ENERGY CENTER UNIT 2 1	23	0.0139 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.14946	34
WERE	EVANS ENERGY CENTER UNIT 2 1	23	0.0139 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.14946	34
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.0603 -0.14967	34
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05144 -0.14081	36
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	19.26538	0.05144 -0.14081	36
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05141 -0.14078	36
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	0.05144 -0.14081	36
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.0483 -0.13767	37
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	0.04828 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	0.04828 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	0.04828 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	0.04828 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	0.04828 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	0.04828 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	0.04828 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	0.04828 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	0.04827 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	0.04827 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	0.04827 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	0.04827 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	0.04827 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	0.04827 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	31	0.0483 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11506	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	31	0.0483 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11506	44
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	30	0.05144 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.11192	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	30	0.05144 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.11192	45
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	0.01389 -0.10326	49
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0139 -0.10327	49
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01324 -0.10261	49
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	GILL ENERGY CENTER UNIT 4	1	77	0.0133 -0.10267	49
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	35.71027	-0.08937 WERE	WACO	1	17.957	0.01336 -0.10273	49
WERE	JEFFREY ENERGY CENTER UNIT 1 1	24	0.06917 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.09419	53
WERE	JEFFREY ENERGY CENTER UNIT 1 1	24	0.06917 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.09419	53
WERE	JEFFREY ENERGY CENTER UNIT 2 1	20	0.06994 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16336 -0.09342	54
WERE	JEFFREY ENERGY CENTER UNIT 2 1	20	0.06994 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16336 -0.09342	54

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
To->From
HOYT - STRANGER CREEK 345KV CKT 1
57270571821567655677211106SH Upgrade: Limiting Facility:

Direction:

Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

Date Redispatch Needed:	6/1/06 - 10/1/06		-								
		Aggregate									
Reservation	Relief Amount	Relief Amount									
1032956	0.3	2.2									
1032993	0.4										
1034394	0.1	2.2									
1035259	1.4	2.2									
			Maximum		Sink			Maximum			Redispatch
Source Control Area	Source	Source Id	Increment( MW)	GSF	Control Area	Sink	Sink Id	Decrement( MW)	GSF	Factor	Amount (MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.31874	7
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.31874	7
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.32121	7
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.32121	7
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.2532	9
WERE WERE	LAWRENCE ENERGY CENTER UNIT 5  LAWRENCE ENERGY CENTER UNIT 3	1	37.60345 59		WERE	TECUMSEH ENERGY CENTER UNIT 8 ABILENE ENERGY CENTER GAS TURBINE 1	1	68.00001 40	0.16398 0.06361	-0.2532 -0.21837	10
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 1	1	470	0.00361	-0.22486	10
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.22529	10
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.22529	10
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06361	-0.22084	10
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.22733	10
WERE WERE	LAWRENCE ENERGY CENTER UNIT 4  LAWRENCE ENERGY CENTER UNIT 4	1	19.00001 19.00001	-0.15723 -0.15723		JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	1	470 470	0.07053 0.07053	-0.22776 -0.22776	10
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	19.00001	-0.15723		HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.07053	-0.20368	11
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466	0.04892	-0.20615	11
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01385	-0.16861	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			GILL ENERGY CENTER UNIT 3	1	78	0.01321	-0.16797	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			GILL ENERGY CENTER UNIT 4	1	77	0.01328	-0.16804	13
WERE WERE	LAWRENCE ENERGY CENTER UNIT 3 LAWRENCE ENERGY CENTER UNIT 4	1	59 19.00001	-0.15476 -0.15723	WERE WERE	WACO CITY OF WINFIELD	1	17.964 24.41401	0.01333	-0.16809 -0.16772	13 13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01049	-0.17108	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01321	-0.17044	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01328	-0.17051	13
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001			WACO	1	17.964	0.01333	-0.17056	13
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			CHANUTE GENERATION SUB	14	33.658	0.00278	-0.15754	14
WERE WERE	LAWRENCE ENERGY CENTER UNIT 3  LAWRENCE ENERGY CENTER UNIT 3	1	59 59		WERE WERE	CITY OF ERIE CITY OF WINFIELD	1	20 24.41401	0.00278 0.01049	-0.15754 -0.16525	14 14
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723	WERE	CHANUTE GENERATION SUB	14	33.658	0.00278	-0.16001	14
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15723		CITY OF ERIE	1	20	0.00278	-0.16001	14
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922		JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.15932	14
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	37.60345	-0.08922		JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.15975	14
WERE WERE	LAWRENCE ENERGY CENTER UNIT 5 NEOSHO ENERGY CENTER UNIT 3	1	37.60345 67	-0.08922 0.00276		JEFFREY ENERGY CENTER UNIT 3 TECUMSEH ENERGY CENTER UNIT 7	1	470 40	0.07053 0.16398	-0.15975 -0.16122	14 14
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.16122	14
WERE	CITY OF WELLINGTON	5	16			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15261	15
WERE	CITY OF WELLINGTON	6	19.5	0.01137	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15261	15
WERE	CITY OF WELLINGTON	5	16			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15261	15
WERE	CITY OF WELLINGTON	6	19.5			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15261	15
WERE WERE	CITY OF WINFIELD CITY OF WINFIELD	I T	10.2 10.2	0.01049 0.01049		TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398 0.16398	-0.15349 -0.15349	15 15
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01049		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	30		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
WERE WERE	EVANS ENERGY CENTER GAS TURBINE 3 EVANS ENERGY CENTER GAS TURBINE 3	1	64 64		WERE	TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398 0.16398	-0.15013 -0.15013	15 15
WERE	EVANS ENERGY CENTER GAS TURBINE 3  EVANS ENERGY CENTER UNIT 1	1	151			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
WERE	EVANS ENERGY CENTER UNIT 1	1	151			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15013	15
WERE	EVANS ENERGY CENTER UNIT 2	1	23			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15013	15
WERE	GETTY	1	35			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15193	15
WERE WERE	GETTY GILL ENERGY CENTER UNIT 1	1	35 44			TECUMSEH ENERGY CENTER UNIT 8 TECUMSEH ENERGY CENTER UNIT 7	1	68.00001 40	0.16398 0.16398	-0.15193 -0.15096	15 15
WERE	GILL ENERGY CENTER UNIT 1	1	44			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15096	15
WERE	GILL ENERGY CENTER UNIT 2	1	74			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15096	15
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01302	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15096	15
WERE	GILL ENERGY CENTER UNIT 3	1	12			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.15077	15
WERE	GILL ENERGY CENTER UNIT 3	1	12			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16398	-0.15077	15
WERE	LAWRENCE ENERGY CENTER UNIT 5	<u> </u>	37.60345			ABILENE ENERGY CENTER GAS TURBINE 1 TE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)	1	40	0.06361	-0.15283	15

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345 -0.089	22 WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	108.2466 0.04892 -0.13814 16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	51 0.052	218 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.1118 20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	51 0.052	218 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.1118 20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52 0.052	218 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.1118 20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52 0.052	218 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.1118 20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50 0.052	218 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.1118 20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50 0.052	218 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.1118 20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 0.052	212 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11186 20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 0.052	212 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11186 20
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 0.052	218 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.1118 20
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 0.052	218 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.1118 20
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 0.04	189 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11508 20
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 0.04	189 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11508 20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 0.04	189 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11508 20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1		189 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11508 20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 0.04	189 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11508 20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 0.04	189 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11508 20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 0.04	189 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11508 20
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 0.04	189 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11508 20
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 0.048	889 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11509 20
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 0.048	889 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11509 20
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 0.048	889 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11509 20
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 0.048	889 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11509 20
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 0.048	889 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11509 20
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 0.048	889 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11509 20
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	42.7534 0.048	92 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.11506 20
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	42.7534 0.048	92 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.11506 20
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345 -0.089	22 WERE	EVANS ENERGY CENTER UNIT 2	1	305 0.01385 -0.10307 22
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345 -0.089	22 WERE	GILL ENERGY CENTER UNIT 3	1	78 0.01321 -0.10243 22
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345 -0.089	22 WERE	GILL ENERGY CENTER UNIT 4	1	77 0.01328 -0.1025 22
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345 -0.089	22 WERE	WACO	1	17.964 0.01333 -0.10255 22
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345 -0.089	22 WERE	CITY OF WINFIELD	1	24.41401 0.01049 -0.09971 23
WERE	JEFFREY ENERGY CENTER UNIT 1 1	24 0.07	'01 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.09388 24
WERE	JEFFREY ENERGY CENTER UNIT 1 1	24 0.07	01 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.09388 24
WERE	JEFFREY ENERGY CENTER UNIT 2 1	20 0.070	53 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.09345 24
WERE	JEFFREY ENERGY CENTER UNIT 2 1	20 0.070	053 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.09345 24
WERE	JEFFREY ENERGY CENTER UNIT 3 1	22 0.070	53 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.16398 -0.09345 24
WERE	JEFFREY ENERGY CENTER UNIT 3 1	22 0.070	53 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.16398 -0.09345 24
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345 -0.089	22 WERE	CHANUTE GENERATION SUB	14	33.658 0.00278 -0.092 24
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	37.60345 -0.089	22 WERE	CITY OF ERIE	1	20 0.00278 -0.092 24

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
To->From
HOYT - STRANGER CREEK 345KV CKT 1
57270571821567655677211106SP Upgrade: Limiting Facility:

Direction:

Line Outage: Flowgate:

Date Redispatch Needed:	6/1/06 - 10/1/06	Aggregate	7								
		Aggregate Relief									
Reservation	Relief Amount	Amount									
103295											
103439 103525											
103020	3.	5.0	Maximum	1	Sink			Maximum	I		Redispatch
			Increment	(	Control			Decrement			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		TECUMSEH ENERGY CENTER UNIT 7	1	40			
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723 -0.08922		TECUMSEH ENERGY CENTER UNIT 8	1	88			
WERE WERE	LAWRENCE ENERGY CENTER UNIT 5  LAWRENCE ENERGY CENTER UNIT 5	1	36.34366 36.34366	-0.08922		TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	88		3 -0.2532 3 -0.2532	2
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		JEFFREY ENERGY CENTER UNIT 1	1	470			3
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.22776	3
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		JEFFREY ENERGY CENTER UNIT 3	1	470			6
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		ABILENE ENERGY CENTER GAS TURBINE 1	1	40			l .
WERE WERE	LAWRENCE ENERGY CENTER UNIT 4 LAWRENCE ENERGY CENTER UNIT 4	1	15.36821 15.36821	-0.15723 -0.15723		BPU - CITY OF MCPHERSON GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55			5 :
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		BPU - CITY OF MCPHERSON STEAM PLANT	1	20			1 2
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	30			1 2
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30		-0.20614	1
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		HUTCHINSON ENERGY CENTER UNIT 1	1	10			2
WERE WERE	LAWRENCE ENERGY CENTER UNIT 4  LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723 -0.15723		HUTCHINSON ENERGY CENTER UNIT 2 HUTCHINSON ENERGY CENTER UNIT 3	1	10			2 :
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821 15.36821	-0.15723	WERE WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120			5 :
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25			3
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		EVANS ENERGY CENTER GAS TURBINE 3	1	60			3
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		EVANS ENERGY CENTER UNIT 1	1	120			3
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821		WERE	EVANS ENERGY CENTER UNIT 2	1	305		-0.17108	3
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		CITY OF WELLINGTON	5	20			3
WERE WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723 -0.15723	WERE	CITY OF WELLINGTON CITY OF WINFIELD	6	11.50201	0.01137		3 :
WERE	LAWRENCE ENERGY CENTER UNIT 4  LAWRENCE ENERGY CENTER UNIT 4	1	15.36821 15.36821	-0.15723	WERE	GILL ENERGY CENTER UNIT 1	1	26.6			5 :
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		GILL ENERGY CENTER UNIT 2	1	27			5
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		GILL ENERGY CENTER UNIT 3	1	78			
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		GILL ENERGY CENTER UNIT 4	1	77			;
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		WACO	1	17.97			,
WERE WERE	NEOSHO ENERGY CENTER UNIT 3 NEOSHO ENERGY CENTER UNIT 3	1	47			TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	40			2 :
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		CHANUTE GENERATION SUB	14	42.755			1
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	15.36821	-0.15723		CITY OF ERIE	1	20			
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922		JEFFREY ENERGY CENTER UNIT 1	1	470			
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366			JEFFREY ENERGY CENTER UNIT 2	1	470			5 (
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.15975	5
WERE	GETTY	1	35			TECUMSEH ENERGY CENTER UNIT 7	1	40			3 3
WERE WERE	GETTY GILL ENERGY CENTER UNIT 2	1	35			TECUMSEH ENERGY CENTER UNIT 8 TECUMSEH ENERGY CENTER UNIT 7	1	88			3 :
WERE	GILL ENERGY CENTER UNIT 2	1	29			TECUMSEH ENERGY CENTER UNIT 8	1	88			3 ;
WERE	GILL ENERGY CENTER UNIT 3	1	12			TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.15077	7
WERE	GILL ENERGY CENTER UNIT 3	1	12	0.01321	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88			<b>'</b>
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.15283	3
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	30			TECUMSEH ENERGY CENTER UNIT 7	1	40			3
WERE WERE	EVANS ENERGY CENTER GAS TURBINE 1 EVANS ENERGY CENTER UNIT 2	1	23	0.01385		TECUMSEH ENERGY CENTER UNIT 8 TECUMSEH ENERGY CENTER UNIT 7	1	88			3
WERE	EVANS ENERGY CENTER UNIT 2	1	23	0.01385	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88		-0.15013	3
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30			Į.
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			Į :
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55			
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922		BPU - CITY OF MCPHERSON STEAM PLANT	1	20			3
WERE WERE	LAWRENCE ENERGY CENTER UNIT 5  LAWRENCE ENERGY CENTER UNIT 5	1	36.34366 36.34366	-0.08922 -0.08922	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	30			3
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366	-0.08922		HUTCHINSON ENERGY CENTER UNIT 3	<del>l</del> i	20			1
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	36.34366			HUTCHINSON ENERGY CENTER UNIT 4	1	120			1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04891	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.11507	1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			TECUMSEH ENERGY CENTER UNIT 8	1	88			7
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			TECUMSEH ENERGY CENTER UNIT 7	1	40			<u>'</u>
WERE WERE	HUTCHINSON ENERGY CENTER LINE 4	1	52			TECUMSEH ENERGY CENTER UNIT 8	1	88			6 .
VVERE	HUTCHINSON ENERGY CENTER UNIT 4	П	31			TECUMSEH ENERGY CENTER UNIT 7 ATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)	11	40	0.16398	-0.11506	1

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 30 0.05218 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.16388 0.1118 45 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 30 0.05218 WERE TECUMSEH ENERGY CENTER UNIT 1 1 8.06388 0.1118 45 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE EVANS ENERGY CENTER GAS TURBINE 2 1 25 0.01385 -0.10307 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE EVANS ENERGY CENTER GAS TURBINE 2 1 25 0.01385 -0.10307 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE EVANS ENERGY CENTER UNIT 1 1 120 0.01385 -0.10307 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE EVANS ENERGY CENTER UNIT 1 1 120 0.01385 -0.10307 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE EVANS ENERGY CENTER UNIT 1 1 150 0.01385 -0.10307 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE EVANS ENERGY CENTER UNIT 1 1 16 0.01302 -0.10224 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE GILL ENERGY CENTER UNIT 2 1 27 0.01302 -0.10224 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE GILL ENERGY CENTER UNIT 3 1 77 0.01322 -0.10224 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE GILL ENERGY CENTER UNIT 3 1 77 0.01322 -0.10224 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE GILL ENERGY CENTER UNIT 3 1 77 0.01324 -0.1025 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE GILL ENERGY CENTER UNIT 3 1 77 0.01324 -0.1025 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922 WERE GILL ENERGY CENTER UNIT 7 1 40 0.0034 -0.0034 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0036 -0.0								, , , , , , , , , , , , , , , , , , , ,			
WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 30 0.052:18 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.43466 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.4366 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.4366 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.4366 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.4366 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.4366 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.4366 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 38.4366 - 0.08922 WERE LAWRENCE EMERGY CENTER UNIT 5 1 40.01638 - 0.0926 MERC LAWRENCE EMERGY CENTER UNIT 5 1 40.0076 MERC LAWRENCE EMERGY CENTER UNIT 5 1 40.0076 MERC LAWRENCE EMERGY CENTER UNIT 5 1 40.0076 MERC LAWRENCE EM	WERE	HUTCHINSON ENERGY CENTER UNIT 4 1				TECUMSEH ENERGY CENTER UNIT 8	1		0.16398	-0.11506	44
WRERE				0.000			1				
WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922/WERE EVANS ENERGY CENTER UNIT 1 1 1 20 0.01388 -0.10307 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922/WERE EVANS ENERGY CENTER UNIT 1 1 1 20 0.01388 -0.10307 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922/WERE EVANS ENERGY CENTER UNIT 1 1 1 30 0.01385 -0.10307 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 -0.08922/WERE EVANS ENERGY CENTER UNIT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							1				
WRFE	WERE						1				
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   38.34368   0.08922 WERE   EVANS ENERGY CENTER UNIT 2   1   305   0.01385   0.10307   49	WERE						1				
WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE GILL ENERGY CENTER UNIT 1 1 18 0.01302 0.10224 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE GILL ENERGY CENTER UNIT 2 1 27 0.01302 0.10224 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE GILL ENERGY CENTER UNIT 3 1 78 0.01327 -0.10243 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE GILL ENERGY CENTER UNIT 3 1 77 0.01328 -0.10254 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE GILL ENERGY CENTER UNIT 4 1 7.77 0.01328 -0.10256 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE GILL ENERGY CENTER UNIT 4 1 7.77 0.01328 -0.10256 49 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE CITY OF WELLINGTON 5 20 0.01137 -0.100596 50 WERE LAWRENCE ENERGY CENTER UNIT 5 1 36.34366 0.08922 WERE CITY OF WELLINGTON 5 20 0.01137 -0.100596 50 WERE LAWRENCE ENERGY CENTER UNIT 1 24 0.0701 WERE CITY OF WELLINGTON 5 20 0.01137 -0.100596 50 WERE DEFFREY ENERGY CENTER UNIT 1 24 0.0701 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.16398 -0.09398 54 WERE DEFFREY ENERGY CENTER UNIT 1 1 24 0.0701 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.16398 -0.09388 54 WERE DEFFREY ENERGY CENTER UNIT 2 1 20 0.07053 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.16398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 20 0.07053 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.16398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 22 0.07053 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.16398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 22 0.07053 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.16398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 20 0.07053 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.16398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 20 0.07053 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.16398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 40 0.06398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 40 0.06398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 40 0.06398 -0.09345 54 WERE DEFFREY ENERGY CENTER UNIT 3 1 40 0.06398 -0.09	WERE		36.34366			EVANS ENERGY CENTER UNIT 1	1		0.01385	-0.10307	
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   36.34366   0.08922 WERE   GILL ENERGY CENTER UNIT 2   1   27   0.01302   0.10224   34	WERE						1	305			
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   36.34366   0.08922 WERE   CHERGY CENTER UNIT 3   1   77   0.01324   0.1025   49	WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.34366	-0.08922	WERE	GILL ENERGY CENTER UNIT 1	1	18	0.01302	-0.10224	49
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   36.34366   0.08922   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   36.34366   0.08922   WERE   WACO   1   17.97   0.01328   0.10256   49   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   36.34366   0.08922   WERE   UNIT 5   1   36.34366   0.08922   WERE   UNIT 5   1   36.34366   0.08922   WERE   UNIT 5   1   26.6   0.01049   0.09971   51   26.6   0.01049   0.09971   51   26.6   0.01049   0.09971   51   26.6   0.01049   0.09971   51   26.6   0.01049   0.09971   51   26.6   0.01049   0.09971   51   26.6   0.01049   0.09971   51   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.0000   27.00	WERE						1				
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   36.34368   0.08922   WERE   WACO   1   17.97   0.01334   -0.10256   48	WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.34366	-0.08922	WERE	GILL ENERGY CENTER UNIT 3	1	78		-0.10243	49
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   36.34366   -0.08922   WERE   CITY OF WELLINGTON   5   20   0.01137   -0.10059   50	WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.34366	-0.08922	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01328	-0.1025	49
WERE   LAWRENCE ENERGY CENTER UNIT 5   1   36.34366   -0.08922   WERE   CITY OF WINFIELD   1   26.6   0.01049   -0.09971   51	WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.34366	-0.08922	WERE	WACO	1	17.97	0.01334	-0.10256	
WERE         JEFFREY ENERGY CENTER UNIT 1         1         24         0.0701 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16398         -0.09388         54           WERE         JEFFREY ENERGY CENTER UNIT 2         1         24         0.0705         WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.16398         -0.09388         54           WERE         JEFREY ENERGY CENTER UNIT 2         1         20         0.07053 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16398         -0.09345         54           WERE         JEFFREY ENERGY CENTER UNIT 2         1         20         0.07053 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.16398         -0.09345         54           WERE         JEFFREY ENERGY CENTER UNIT 3         1         22         0.07053 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16398         -0.09345         54           WERE         JEFFREY ENERGY CENTER UNIT 3         1         22         0.07053 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16398         -0.09345         54           WERE         JEFFREY ENERGY CENTER UNIT 3         1         22         0.07053 WERE	WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.34366	-0.08922	WERE	CITY OF WELLINGTON	5	20	0.01137	-0.10059	
WERE   JEFFREY ENERGY CENTER UNIT 1	WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.34366	-0.08922	WERE	CITY OF WINFIELD	1	26.6	0.01049	-0.09971	
WERE         JEFFREY ENERGY CENTER UNIT 2         1         20         0.07063 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16398         -0.09345         54           WERE         JEFFREY ENERGY CENTER UNIT 3         1         20         0.07063 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.16398         -0.09345         54           WERE         JEFFREY ENERGY CENTER UNIT 3         1         22         0.07063 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16398         -0.09345         54           WERE         JEFFREY ENERGY CENTER UNIT 3         1         22         0.07063 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.16398         -0.09345         54           WERE         JEFFREY ENERGY CENTER UNIT 3         1         22         0.07063 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.16398         -0.09345         54           WERE         LAWRENCE ENERGY CENTER UNIT 5         1         36.34366         -0.08922 WERE         CHANUTURE GENERATION SUB         14         42.75         0.00278         -0.092         55           WERE         LAWRENCE ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JE	WERE	JEFFREY ENERGY CENTER UNIT 1 1	24	0.0701	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.09388	
WERE   JEFFREY ENERGY CENTER UNIT 2   1   20   0.07053   WERE   TECUMSEH ENERGY CENTER UNIT 8   1   88   0.16398   -0.09345   54	WERE	JEFFREY ENERGY CENTER UNIT 1 1	24	0.0701	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.09388	54
WERE   JEFFREY ENERGY CENTER UNIT 3   1   22   0.07053   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.16308   -0.09345   54	WERE	JEFFREY ENERGY CENTER UNIT 2 1	20	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.09345	
WERE         JEFFREY ENERGY CENTER UNIT 3         1         22         0.07063 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         0.16398         -0.09345         54           WERE         LAWRENCE ENERGY CENTER UNIT 5         1         36.34366         -0.08922 WERE         CHANUTE GENERATION SUB         14         42.755         0.00278         -0.092         55           WERE         LAWRENCE ENERGY CENTER UNIT 3         1         36.34366         -0.08922 WERE         CITY OF ERIE         1         20         0.00278         -0.092         55           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.06777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.06777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.06777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENT	WERE	JEFFREY ENERGY CENTER UNIT 2 1	20	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.09345	
WERE         LAWRENCE ENERGY CENTER UNIT 5         1         36,34366         -0,08922 WERE         CHANUTE GENERATION SUB         14         42,755         0,00278         -0,092         55           WERE         LAWRENCE ENERGY CENTER UNIT 3         1         36,34366         -0,08922 WERE         CITY OF ERIE         1         20         0.00278         -0.092         55           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.06777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.06774         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERG	WERE	JEFFREY ENERGY CENTER UNIT 3 1	22	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16398	-0.09345	
WERE         LAWRENCE ENERGY CENTER UNIT 5         1         36.34366         -0.08922 WERE         CITY OF ERIE         1         20         0.00278         -0.092         55           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.06777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00276         WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00276         WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.00276         WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.07031         -0.06734         75           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER GAS TURBINE 1         1         40         0.06034         83           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JE	WERE	JEFFREY ENERGY CENTER UNIT 3 1	22	0.07053	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	0.16398	-0.09345	
WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.06777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.06777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFREY ENERGY CENTER UNIT 1         1         470         0.07053         -0.06734         75           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         ABILENE ENERGY CENTER UNIT 1         1         470         0.07053         -0.06734         75           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         ABILENE ENERGY CENTER UNIT 2         1         470         0.06085         83           WERE         GETTY         1         35         0.01205 WERE         JEFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.	WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.34366	-0.08922	WERE	CHANUTE GENERATION SUB	14	42.755	0.00278	-0.092	
WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.06777         74           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.07053         -0.06734         75           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER GAS TURBINE 1         1         470         0.07053         -0.06085         83           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05848         86           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470	WERE	LAWRENCE ENERGY CENTER UNIT 5 1	36.34366	-0.08922	WERE	CITY OF ERIE	1	20	0.00278	-0.092	55
WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0701 -0.06734         75           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.05631 -0.06085         83           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053 -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053 -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053 -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.07053 -0.05848         86           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053 -0.05668         89           WERE         EVANS ENERGY	WERE	NEOSHO ENERGY CENTER UNIT 3 1	47	0.00276	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.06777	
WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.06361 -0.06085         83           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053 -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053 -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053 -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0703 -0.05805         87           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053 -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053 -0.05668         89           WERE         EVANS E	WERE	NEOSHO ENERGY CENTER UNIT 3 1	47	0.00276	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.06777	
WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.07053         -0.05805         87           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07015         -0.05625         90           WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER GAS TURBINE 1         1         470	WERE	NEOSHO ENERGY CENTER UNIT 3 1	47	0.00276	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.06734	
WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05848         86           WERE         GETTY         1         35         0.01205 WERE         JEFREY ENERGY CENTER UNIT 1         1         470         0.0701         -0.05805         87           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07063         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05668         89           WERE         GETTY         1         470         0.07010         -0.05265         90 <t< td=""><td>WERE</td><td>NEOSHO ENERGY CENTER UNIT 3 1</td><td>47</td><td>0.00276</td><td>WERE</td><td>ABILENE ENERGY CENTER GAS TURBINE 1</td><td>1</td><td>40</td><td>0.06361</td><td>-0.06085</td><td></td></t<>	WERE	NEOSHO ENERGY CENTER UNIT 3 1	47	0.00276	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06361	-0.06085	
WERE         GETTY         1         35         0.01205 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0701         -0.05805         87           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.0701         -0.05628         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.0701         -0.05625         90           WERE         GETTY         1         35         0.01205 WERE         ABILENE ENERGY CENTER UNIT 1         1         470         0.05615         98           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         ABILENE ENERGY CENTER SON GAS TURBINE 4         1         55         0.05212         -0.04936         102	WERE	GETTY 1	35	0.01205	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.05848	86
WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.07053         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05665         90           WERE         GETTY         1         35         0.01205 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.06361         -0.05156         98           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         ABILENE ENERGY CENTER GAS TURBINE 4         1         55         0.05212         -0.04936         102	WERE	GETTY 1	35	0.01205	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.05848	
WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.07053         -0.05668         89           WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0701         -0.05625         90           WERE         GETTY         1         35         0.01205 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         470         0.06312         -0.05156         98           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.05212         -0.04936         102	WERE	GETTY 1	35	0.01205	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.05805	87
WERE         EVANS ENERGY CENTER GAS TURBINE 1         1         30         0.01385 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.0701         -0.05625         90           WERE         GETTY         1         35         0.01205 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         470         0.005416         98           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.05212         -0.04936         102	WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	30	0.01385	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07053	-0.05668	89
WERE         GETTY         1         35         0.01205 WERE         ABILENE ENERGY CENTER GAS TURBINE 1         1         40         0.06361 -0.05156         98           WERE         NEOSHO ENERGY CENTER UNIT 3         1         47         0.00276 WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         55         0.05212 -0.04936         102	WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	30	0.01385	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07053	-0.05668	89
WERE NEOSHO ENERGY CENTER UNIT 3 1 47 0.00276 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 55 0.05212 -0.04936 102	WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	30	0.01385	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0701	-0.05625	90
WERE NEOSHO ENERGY CENTER UNIT 3 1 47 0.00276 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 55 0.05212 -0.04936 102	WERE	GETTY 1	35	0.01205	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06361	-0.05156	98
	WERE	NEOSHO ENERGY CENTER UNIT 3 1	47	0.00276	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05212	-0.04936	102
	WERE	NEOSHO ENERGY CENTER UNIT 3 1	47	0.00276	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.04892	-0.04616	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 Upgrade: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 To->From Limiting Facility:

Direction:

HOYT - STRANGER CREEK 345KV CKT 1 Line Outage: 57270571821567655677211107SH Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

Reservation	Relief Amount	Amount									
1022463	3 4.		7								
1032956	0.										
1034234	1.										
1034276											
1034394	0.										
1034394	4.										
1030258	7.	.0 13.7	Maximum	1	Sink			Maximum			Redispatch
			Increment	,	Control			Decrement(	,		Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	4	59			TECUMSEH ENERGY CENTER UNIT 7	1	40			. /
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			4
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15466		TECUMSEH ENERGY CENTER UNIT 7	- 1	40			
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15466		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			4
							1	40			
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732		TECUMSEH ENERGY CENTER UNIT 7	- 1				5
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			5
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 2	1 4	470			6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 3	1	470			6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1				JEFFREY ENERGY CENTER UNIT 1	1				
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			CLAY CENTER JUNCTION	1	9999			6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1				ABILENE ENERGY CENTER GAS TURBINE 1	!	40			6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30		-0.20458	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			BPU - CITY OF MCPHERSON GAS TURBINE 4	!	55		-0.20455	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			HUTCHINSON ENERGY CENTER UNIT 4		120			6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			EVANS ENERGY CENTER UNIT 2	1	305			8:
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			GILL ENERGY CENTER UNIT 3	1	78			8
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			GILL ENERGY CENTER UNIT 4	1	77			8
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67			TECUMSEH ENERGY CENTER UNIT 7	1	40			8-
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			8-
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763			JEFFREY ENERGY CENTER UNIT 2	1	470			8
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763	-0.08732		JEFFREY ENERGY CENTER UNIT 3	1	470			86
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763			JEFFREY ENERGY CENTER UNIT 1	1	470			8
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			CHANUTE GENERATION SUB	14	33.041			88
WERE	GETTY	1	35			TECUMSEH ENERGY CENTER UNIT 7	1	40			9
WERE	GETTY	1	35		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489		9
WERE	GILL ENERGY CENTER UNIT 1	1	44			TECUMSEH ENERGY CENTER UNIT 7	1	40			90
WERE	GILL ENERGY CENTER UNIT 1	1	44			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			90
WERE	GILL ENERGY CENTER UNIT 2	1	74			TECUMSEH ENERGY CENTER UNIT 7	1	40			90
WERE	GILL ENERGY CENTER UNIT 2	1	74			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			90
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	30.06763			CLAY CENTER JUNCTION	1	9999			90
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			TECUMSEH ENERGY CENTER UNIT 7	1	40			9
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			9
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			TECUMSEH ENERGY CENTER UNIT 7	1	40			9
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			9
WERE	EVANS ENERGY CENTER UNIT 1	1	151			TECUMSEH ENERGY CENTER UNIT 7	1	40			9
WERE	EVANS ENERGY CENTER UNIT 1	1	151			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			9
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			TECUMSEH ENERGY CENTER UNIT 7	1	40			11
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			TECUMSEH ENERGY CENTER UNIT 7	1	40			11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			TECUMSEH ENERGY CENTER UNIT 7	1	40			11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52			TECUMSEH ENERGY CENTER UNIT 7	1	40			11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001			12
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67			JEFFREY ENERGY CENTER UNIT 2	1	470			20
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67			JEFFREY ENERGY CENTER UNIT 3	1	470			20
WERE	EVANS ENERGY CENTER UNIT 1	1	151			JEFFREY ENERGY CENTER UNIT 2	1	470			24
WERE	EVANS ENERGY CENTER UNIT 1	1	151			JEFFREY ENERGY CENTER UNIT 3	1	470			24
WERE	EVANS ENERGY CENTER UNIT 1	1	151			JEFFREY ENERGY CENTER UNIT 1	1	470			24
WERE	EVANS ENERGY CENTER UNIT 1	l1	151	0.01424	WERE	CLAY CENTER JUNCTION	l1	9999	0.06378	-0.04954	270

WERE EVANS ENERGY CENTER UNIT 1 1 151 0.01424 WERE CLAY CENTER JUNCTION

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. CLAY CENTER JUNCTION

Aggregate Relief

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

0.06378 -0.04954

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 To->From HOYT - STRANGER CREEK 345KV CKT 1 57270571821567655677211107SP

Line Outage: Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

			Aggregate Relief
Reservation	Relief Amount		Amount
1022463	4	.1	13.4
1032956	C	1.8	13.4
1034234	1	.3	13.4
1034276	2	.9	13.4
1034394	0	1.3	13.4
1035259	4	.0	13.4

			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.25221	53
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.25221	53
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00288	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.16201	83
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00288	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.16201	83
WERE	GETTY	1	35	0.01236	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.15253	88
WERE	GETTY	1	35	0.01236	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.15253	88
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.16489	-0.11546	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.16489	-0.11546	116

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
To->From
HOYT - STRANGER CREEK 345KV CKT 1
57270571821567655677211307FA
10/1/07 - 12/1/07 Upgrade: Limiting Facility:

Aggregate Relief

Amount

Direction:

Reservation

Line Outage: Flowgate:

Relief Amount

Date Redispatch Needed:

1032956

1034234	1.3	9.5									
1034276	3.1	9.5									
1034394	0.3	9.5									
1035259	4.0	9.5									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489		
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.31714	
	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.31954	
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.31954	
	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489		
	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788	-0.08732	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.25221	38
	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.22465	
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.22541	
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076		
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07	-0.22225	
	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.22301	
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.22301	
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.21844	
	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.21604	
	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.04945	-0.2041	
	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.04945	-0.2017	
	LAWRENCE ENERGY CENTER UNIT 4	1	119 119		WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01425	-0.1689	
	LAWRENCE ENERGY CENTER UNIT 4	1			WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01366	-0.16831	
	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	EVANS ENERGY CENTER UNIT 2	1	303.45	0.01425	-0.1665	
	LAWRENCE ENERGY CENTER UNIT 3	1	59			GILL ENERGY CENTER UNIT 4	1	77	0.01366		
	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.16201	
	NEOSHO ENERGY CENTER UNIT 3	1	67		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.16201	
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	CHANUTE GENERATION SUB	14	42.721		-0.15756	
WERE WERE	LAWRENCE ENERGY CENTER UNIT 5  LAWRENCE ENERGY CENTER UNIT 5	1	38.51788 38.51788	-0.08732 -0.08732	WERE WERE	JEFFREY ENERGY CENTER UNIT 1 JEFFREY ENERGY CENTER UNIT 2	1	470 470	0.07	-0.15732	60
	LAWRENCE ENERGY CENTER UNIT 5	4	38.51788	-0.08732	WERE	JEFFREY ENERGY CENTER UNIT 3	<u> </u>	470	0.07076	-0.15808	
	LAWRENCE ENERGY CENTER UNIT 3	4	59		WERE	CHANUTE GENERATION SUB	14	42.721	0.07076	-0.15808 -0.15516	
	CITY OF WINFIELD	1	26.6		WERE	TECUMSEH ENERGY CENTER UNIT 7	14	42.721	0.00291	-0.15510	
	CITY OF WINFIELD	1	26.6		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15409	
	GETTY	1	35		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15252	
	GETTY	1	35		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15252	
	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15252	
	EVANS ENERGY CENTER GAS TURBINE 1	1	80			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	
	EVANS ENERGY CENTER GAS TURBINE 2	1	80			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15065	
	EVANS ENERGY CENTER GAS TURBINE 2	1	80		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	
	EVANS ENERGY CENTER GAS TURBINE 3	1	154		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15065	63
	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.01424	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15065	
	EVANS ENERGY CENTER UNIT 1	1	151	0.01425	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15064	
	EVANS ENERGY CENTER UNIT 1	1	151	0.01425	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15064	
	EVANS ENERGY CENTER UNIT 2	1	24.54999		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489		
	EVANS ENERGY CENTER UNIT 2	1	24.54999	0.01425	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15064	
	GILL ENERGY CENTER UNIT 1	1	44		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.15151	
	GILL ENERGY CENTER UNIT 1	1	44		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15151	
	GILL ENERGY CENTER UNIT 2	1	74		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489		
	GILL ENERGY CENTER UNIT 2	1	74	0.01338	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.15151	
	GILL ENERGY CENTER UNIT 3	1	112	0.01359	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.1513	
	GILL ENERGY CENTER UNIT 3	1	112		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.1513	
	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788		WERE	CLAY CENTER JUNCTION	1	9999	0.06379		
	LAWRENCE ENERGY CENTER UNIT 5	1	38.51788		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	0.04945		
	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	
	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	
	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489		
	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	0.04943	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	
	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11546	
	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11546	
	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489		
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04942	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16489	-0.11547	7 82
	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04942	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11547	7 82

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	0.04945 WERE	TECUMSEH ENERGY CENTER UNIT 7	14	40	0.16489	-0.11544	82
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	0.04945 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		-0.11544	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	70.99999	0.05234 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	51	0.05234 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	52	0.05234 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	0.05234 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	0.05234 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	50	0.05234 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.16489	-0.11255	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	0.05234 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.11259	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	0.0523 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		-0.11259	84
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	46	0.06094 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.11239	91
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	46	0.06094 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		-0.10395	91
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	38.51788	-0.08732 WERE	EVANS ENERGY CENTER UNIT 2	1	303.45		-0.10393	93
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	38.51788	-0.08732 WERE	GILL ENERGY CENTER UNIT 4	1	303.45		-0.10157	93
WERE	LAWRENCE ENERGY CENTER UNIT 5 1	38.51788	-0.08732 WERE	CHANUTE GENERATION SUB	14	42.721		-0.10096	105
WERE	NEOSHO ENERGY CENTER UNIT 3 1	67	0.00288 WERE	JEFFREY ENERGY CENTER UNIT 2	14	42.721		-0.09023	140
WERE	NEOSHO ENERGY CENTER UNIT 3	67	0.00288 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.06788	140
WERE	LAWRENCE ENERGY CENTER UNIT 4 1	119	-0.15465 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230,4821	-0.08732	-0.06733	141
WERE	NEOSHO ENERGY CENTER UNIT 3 1	67	0.00288 WERE	JEFFREY ENERGY CENTER UNIT 1		470	0.07	-0.06733	141
WERE	LAWRENCE ENERGY CENTER UNIT 3 1	59	-0.15225 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	230.4821		-0.06493	141
WERE	NEOSHO ENERGY CENTER UNIT 3 1	67	0.00288 WERE	CLAY CENTER JUNCTION	1	9999		-0.06091	156
WERE	GILL ENERGY CENTER UNIT 2 1	74	0.00286 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05738	165
WERE	GILL ENERGY CENTER UNIT 2 1	74	0.01338 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.05738	165
WERE	GILL ENERGY CENTER UNIT 3 1	112	0.01359 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05738	166
WERE	GILL ENERGY CENTER UNIT 3	112	0.01359 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05717	166
WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	80	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.07076	-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	80	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.07076	-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 2 1	80	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 2 1	80	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 3 1	154	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05652	168
WERE	EVANS ENERGY CENTER GAS TURBINE 3 1	154	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.05652	168
WERE	EVANS ENERGY CENTER UNIT 1 1	151	0.01425 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.05651	168
WERE	EVANS ENERGY CENTER UNIT 1 1	151	0.01425 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.05651	168
WERE	GILL ENERGY CENTER UNIT 2	74	0.01338 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.07070	-0.05662	168
WERE	GILL ENERGY CENTER UNIT 3	112	0.01359 WERE	JEFFREY ENERGY CENTER UNIT 1	li i	470	0.07	-0.05641	168
WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	80	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 1	L'	470	0.07	-0.05576	170
WERE	EVANS ENERGY CENTER GAS TURBINE 2 1	80	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 1	<del>l</del> i	470		-0.05576	170
WERE	EVANS ENERGY CENTER GAS TURBINE 3 1	154	0.01424 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.05576	170
WERE	EVANS ENERGY CENTER UNIT 1 1	151	0.01425 WERE	JEFFREY ENERGY CENTER UNIT 1	L'	470		-0.05575	170
WERE	GILL ENERGY CENTER UNIT 2	74	0.01338 WERE	CLAY CENTER JUNCTION	li i	9999	0.06379	-0.05041	188
WERE	GILL ENERGY CENTER UNIT 3	112	0.01359 WERE	CLAY CENTER JUNCTION	1	9999	0.06379	-0.0502	189
	OILL ENERGY CENTER UNIT 3					2222	0.00018	0.0002	109

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1
To->From
HOYT - STRANGER CREEK 345KV CKT 1
57270571821567655677211307WP

Direction:

Line Outage: Flowgate:

12/1/2007 - 4/1/2008 Date Redispatch Needed:

		Aggregate Relief	
Reservation	Relief Amount	Amount	ı
1022463	4.1	13.5	,
1032956	0.8	13.5	1
1034234	1.3	13.5	Ī
1034276	3.1	13.5	į
1034394	0.2	13.5	1
1035259	3.9	13.5	į
·			Ī

10352	259 3.1	13.5									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.31714	4:
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.31714	4:
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15471	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.31954	4:
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	19.00001	-0.15471	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.31954	4:
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	28.07486	-0.08738	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.25221	5
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	28.07486	-0.08738	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.25221	5
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0707	-0.22301	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.22301	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06994	-0.22225	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	CLAY CENTER JUNCTION	1	9999	0.06373	-0.21604	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.21318	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30	0.05228	-0.20459	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30		-0.20459	
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55	0.05224	-0.20455	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120	0.04939	-0.2017	6
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.01418	-0.16649	8
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	GILL ENERGY CENTER UNIT 3	1	78	0.01352	-0.16583	8
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.15231	WERE	GILL ENERGY CENTER UNIT 4	1	77	0.01359	-0.1659	8
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00281	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.16202	2 8
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	0.00281	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.16202	2 8
WERE	GETTY	1	35	0.0123	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15253	8
WERE	GETTY	1	35	0.0123	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15253	8
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01417	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15066	8
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01417	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15066	8
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01417	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15066	8
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	54	0.01417	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15066	8
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15065	8
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15065	8
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01331	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15152	2 8
WERE	GILL ENERGY CENTER UNIT 1	1	44	0.01331	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15152	2 8
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01331	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.15152	
WERE	GILL ENERGY CENTER UNIT 2	1	74	0.01331	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.15152	2 8
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.11546	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.11546	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.11546	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.11546	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.11546	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.11546	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.16483	-0.11546	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	0.04937	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	85.53931	0.16483	-0.11546	
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01417	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0707	-0.05653	3 23
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80	0.01417	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0707	-0.05653	3 23
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0707	-0.05652	23
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0707	-0.05652	2 23
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06994	-0.05576	3 24
WERE	EVANS ENERGY CENTER UNIT 1	1	121	0.01418	WERE	CLAY CENTER JUNCTION	1	9999	0.06373	-0.04955	27

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1 To->From HOYT - STRANGER CREEK 345KV CKT 1 57270571821567655677213106WP 12/1/06 - 4/1/07 Upgrade: Limiting Facility: Direction:

Line Outage: Flowgate:

Date Redispatch Needed:

Date Redispatch Needed:	12/1/06 - 4/1/07		_								
		Aggregate									
Reservation	Relief Amount	Relief Amount									
1032956	1.0	5.0	1								
1034394	0.3	5.0									
1035259	3.8	5.0									
			Maximum		Sink			Maximum			Redispatch
			Increment(	005	Control	0: 1	o:	Decrement(	005		Amount
Source Control Area WERE	Source LAWRENCE ENERGY CENTER UNIT 3	Source Id	MW) 59	GSF -0.1549	Area	Sink TECUMSEH ENERGY CENTER UNIT 8	Sink Id	MW) 30.50073	GSF 0.1634	-0.3183	(MW) 16
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736		TECUMSER ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.32076	16
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634		20
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549		JEFFREY ENERGY CENTER UNIT 2	1	470		-0.22489	22
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.06999	-0.22489	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.22657	22
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.06999	-0.22735	22
WERE WERE	LAWRENCE ENERGY CENTER UNIT 4  LAWRENCE ENERGY CENTER UNIT 3	1	119 59	-0.15736 -0.1549		JEFFREY ENERGY CENTER UNIT 3 JEFFREY ENERGY CENTER UNIT 1	1	470 470	0.06999	-0.22735 -0.22411	22 23
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119			EVANS ENERGY CENTER UNIT 2	1	55	0.00321	-0.22411	29
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			EVANS ENERGY CENTER UNIT 2	1	55	0.01393	-0.16883	30
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549		WACO	1	17.953	0.01339	-0.16829	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119			CITY OF WINFIELD	1	24.34801	0.01052	-0.16788	30
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119	-0.15736		WACO	1	17.953	0.01339	-0.17075	30
WERE WERE	CHANUTE GENERATION SUB CITY OF ERIE	14	20.036	0.00277	WERE	TECUMSEH ENERGY CENTER UNIT 8 TECUMSEH ENERGY CENTER UNIT 8	1	30.50073 30.50073	0.1634	-0.16063 -0.16063	31 31
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	CITY OF WINFIELD	1	24.34801	0.01052	-0.16542	31
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00275	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.16065	31
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59	-0.1549	WERE	CHANUTE GENERATION SUB	14	22.764	0.00277	-0.15767	32
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	CHANUTE GENERATION SUB	14	22.764	0.00277	-0.16013	32
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.06921	-0.15853	32
WERE WERE	LAWRENCE ENERGY CENTER UNIT 5  LAWRENCE ENERGY CENTER UNIT 5	1	87.45279 87.45279	-0.08932 -0.08932	WERE WERE	JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	1	470 470	0.06999	-0.15931 -0.15931	32 32
WERE	CITY OF WELLINGTON	5	20	0.01141		TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.06998	-0.15931	33
WERE	CITY OF WELLINGTON	6	19.5	0.01141	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15199	33
WERE	GETTY	1	35	0.01209	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634		33
WERE	EVANS ENERGY CENTER GAS TURBINE 1	1	80		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634		34
WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	80	0.01393	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634		34
WERE WERE	EVANS ENERGY CENTER CAS TURBINE 3	1	154 151	0.01393 0.01393	WERE WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634 0.1634	-0.14947	34
WERE	EVANS ENERGY CENTER UNIT 1 EVANS ENERGY CENTER UNIT 2	1	273	0.01393	WERE	TECUMSEH ENERGY CENTER UNIT 8 TECUMSEH ENERGY CENTER UNIT 8	1	30.50073 30.50073	0.1634	-0.14947 -0.14947	34 34
WERE	GILL ENERGY CENTER UNIT 1	1	44			TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634		34
WERE	GILL ENERGY CENTER UNIT 2	1	74		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15033	34
WERE	GILL ENERGY CENTER UNIT 3	1	112	0.01327	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15013	34
WERE	GILL ENERGY CENTER UNIT 4	1	106		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.15007	34
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634		44 44
WERE WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	52 50	0.04832 0.04832	WERE WERE	TECUMSEH ENERGY CENTER UNIT 8 TECUMSEH ENERGY CENTER UNIT 8	1	30.50073 30.50073	0.1634 0.1634	-0.11508 -0.11508	44
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11508	44
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	0.04831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11509	44
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634		44
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 2	1	51 52	0.05148 0.05148	WERE WERE	TECUMSEH ENERGY CENTER UNIT 8 TECUMSEH ENERGY CENTER UNIT 8	1	30.50073 30.50073	0.1634 0.1634	-0.11192 -0.11192	45 45
WERE	BPU - CITY OF MICPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11192	45
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.05145	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11195	45
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	0.05148	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.11192	45
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	0.06034	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.10306	49
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.01393	-0.10325	49
WERE WERE	LAWRENCE ENERGY CENTER UNIT 5 LAWRENCE ENERGY CENTER UNIT 5	1	87.45279 87.45279	-0.08932 -0.08932	WERE WERE	WACO CITY OF WINFIELD	1	17.953 24.34801	0.01339	-0.10271 -0.09984	49 51
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.06932	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.09984	54
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.06999	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.09341	54
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.06999	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	30.50073	0.1634	-0.09341	54
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	87.45279	-0.08932	WERE	CHANUTE GENERATION SUB	14	22.764	0.00277	-0.09209	55
WERE	LAWRENCE ENERGY CENTER UNIT 4	1	119		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	181.5472	-0.08932	-0.06804	74
WERE WERE	NEOSHO ENERGY CENTER UNIT 3 NEOSHO ENERGY CENTER UNIT 3	1	67 67		WERE	JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	1	470 470	0.06999	-0.06724 -0.06724	75 75
WERE	NEOSHO ENERGY CENTER UNIT 3	1	67	0.00275		JEFFREY ENERGY CENTER UNIT 1	1	470	0.06999	-0.06724	76
WERE	LAWRENCE ENERGY CENTER UNIT 3	1	59			LAWRENCE ENERGY CENTER UNIT 5	1	181.5472		-0.06558	77
						TE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)					

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	GETTY 1	35	0.01209 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.0579	87
WERE	GETTY 1	35	0.01209 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.0579	87
WERE	GETTY 1	35	0.01209 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05712	88
WERE	GILL ENERGY CENTER UNIT 1 1	44	0.01307 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05692	89
WERE	GILL ENERGY CENTER UNIT 1 1	44	0.01307 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05692	89
WERE	GILL ENERGY CENTER UNIT 2 1	74	0.01307 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05692	89
WERE	GILL ENERGY CENTER UNIT 2 1	74	0.01307 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05692	89
WERE	GILL ENERGY CENTER UNIT 3 1	112	0.01327 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05672	89
WERE	GILL ENERGY CENTER UNIT 3 1	112	0.01327 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05672	89
WERE	GILL ENERGY CENTER UNIT 4 1	106	0.01333 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05666	89
WERE	GILL ENERGY CENTER UNIT 4 1	106	0.01333 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05666	89
WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	80	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	80	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 2 1	80	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 2 1	80	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 3 1	154	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER GAS TURBINE 3 1	154	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER UNIT 1 1	151	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER UNIT 1 1	151	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER UNIT 2 1	273	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.06999	-0.05606	90
WERE	EVANS ENERGY CENTER UNIT 2 1	273	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.06999	-0.05606	90
WERE	GILL ENERGY CENTER UNIT 1 1	44	0.01307 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05614	90
WERE	GILL ENERGY CENTER UNIT 2 1	74	0.01307 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05614	90
WERE	GILL ENERGY CENTER UNIT 3 1	112	0.01327 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05594	90
WERE	GILL ENERGY CENTER UNIT 4 1	106	0.01333 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05588	90
WERE	EVANS ENERGY CENTER GAS TURBINE 1 1	80	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05528	91
WERE	EVANS ENERGY CENTER GAS TURBINE 2 1	80	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05528	91
WERE	EVANS ENERGY CENTER GAS TURBINE 3 1	154	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05528	91
WERE	EVANS ENERGY CENTER UNIT 1 1	151	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05528	91
WERE	EVANS ENERGY CENTER UNIT 2 1	273	0.01393 WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.06921	-0.05528	91

## Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1 SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1
From->To
SUB 389 - JOPLIN SOUTHWEST - SUB 422 - JOPLIN 24TH & CONNECTICUT 161KV CKT 1

Direction:

Line Outage:

JOPPLINSW1521594835960711306SP Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief									
Reservation	Relief Amount	Amount									
10343											
10343	94 0	.5 0.0	Maximum		Sink			Maximum			Redispatch
			Increment	(	Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	STATE LINE COMBINED CYCLE	1	200	0.0375	-0.15005	4
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	STATE LINE UNIT #1	1	101.2383	0.0375	-0.15005	4
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	STATE LINE UNIT #2	1	153	0.0375	-0.15005	4
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	STATE LINE UNIT #3	1	150	0.0375	-0.15005	4
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	ASBURY UNIT #1	1	191	-0.00114	-0.11141	5
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	LARUSSEL UNIT #3	1	58	0.00053	-0.11308	5
EMDE	RIVERTON UNIT #9	1	12	-0.11255	EMDE	LARUSSEL UNIT #4	1	58	0.00053	-0.11308	5
EMDE	ASBURY UNIT #2	1	20	-0.00114	EMDE	STATE LINE COMBINED CYCLE	1	200	0.0375	-0.03864	14
EMDE	ASBURY UNIT #2	1	20	-0.00114	EMDE	STATE LINE UNIT #1	1	101.2383	0.0375	-0.03864	14
EMDE	ASBURY UNIT #2	1	20	-0.00114	EMDE	STATE LINE UNIT #2	1	153	0.0375	-0.03864	14
EMDE	ASBURY UNIT #2	1	20	-0.00114	EMDE	STATE LINE UNIT #3	1	150	0.0375	-0.03864	14
EMDE	LARUSSEL UNIT #1	1	90	0.00053	EMDE	STATE LINE COMBINED CYCLE	1	200	0.0375	-0.03697	14
EMDE	LARUSSEL UNIT #1	1	90	0.00053	EMDE	STATE LINE UNIT #1	1	101.2383	0.0375	-0.03697	14
EMDE	LARUSSEL UNIT #1	1	90	0.00053	EMDE	STATE LINE UNIT #2	1	153	0.0375	-0.03697	14
EMDE	LARUSSEL UNIT #1	1	90	0.00053	EMDE	STATE LINE UNIT #3	1	150	0.0375	-0.03697	14
EMDE	LARUSSEL UNIT #2	1	90	0.00053	EMDE	STATE LINE COMBINED CYCLE	1	200	0.0375	-0.03697	14
EMDE	LARUSSEL UNIT #2	1	90	0.00053	EMDE	STATE LINE UNIT #1	1	101.2383	0.0375	-0.03697	14
EMDE	LARUSSEL UNIT #2	1	90	0.00053	EMDE	STATE LINE UNIT #2	1	153	0.0375	-0.03697	14
EMDE	LARUSSEL UNIT #2	1	90	0.00053	EMDE	STATE LINE UNIT #3	1	150	0.0375	-0.03697	14

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Aggregate

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1 TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1
From->To
HOYT - STRANGER CREEK 345KV CKT 1
57180571821567855677211107SP

Direction:

Line Outage: Flowgate:

Date Redispatch Needed: 6/1/07 - 10/1/07

•		Aggregate
		Relief
Reservation	Relief Amount	Amount
1022463	4.6	12.9
1032956	0.7	12.9
1032994	1.9	12.9
1034276	0.6	12.9
1034363	1.9	12.9
1034394	0.3	12.9
1034407	1.5	12.9
1034589	0.3	12.9
1034590	0.8	12.9
1034628	0.3	12.9

1034	628 0.3	12.9									
			Maximum		Sink Control			Maximum Decrement/			Redispatch
Course Control Area	Course	Cauraa Id	Increment( MW)	GSF		Sink	Sink Id	Decrement( MW)	GSF	Factor	Amount (MW)
Source Control Area	Source	Source Id			Area		SINK IQ	,			
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856			TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.84704	
WERE	LAWRENCE ENERGY CENTER UNIT 5	1	26.86856			TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.84704	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	24.41943			TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.78455	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	24.41943			TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.78455	
WERE	CITY OF WELLINGTON	6	15.6			TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.81066	
WERE	CITY OF WELLINGTON	6	15.6			TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.81066	
WERE	CITY OF WINFIELD	Т	10.2	0.00051		TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.8107	
WERE	CITY OF WINFIELD	Т	10.2	0.00051		TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.8107	
WERE	CLAY CENTER JUNCTION	1	28.7	0.02379		TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.78742	
WERE	CLAY CENTER JUNCTION	1	28.7	0.02379		TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.78742	
WERE	GETTY	1	35	0.000		TECUMSEH ENERGY CENTER UNIT 7	1	55		-0.80909	
WERE	GETTY	1	35			TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.80909	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.02399		TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.78722	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	0.02399	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.78722	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.02399	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.78722	2 16
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	0.02399	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.78722	2 16
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00134	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.81255	16
WERE	NEOSHO ENERGY CENTER UNIT 3	1	47	-0.00134	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.81255	16
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.04754	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.76367	17
WERE	JEFFREY ENERGY CENTER UNIT 1	1	24	0.04754	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.76367	17
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.06021	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.751	17
WERE	JEFFREY ENERGY CENTER UNIT 2	1	20	0.06021	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.751	17
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.06021	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.751	17
WERE	JEFFREY ENERGY CENTER UNIT 3	1	22	0.06021	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.751	17
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.57439	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.23682	2 54
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.57439	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	55	0.81121	-0.23682	2 54
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	1	20	0.57439	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.23682	2 54
WERE	TECUMSEH ENERGY CENTER GAS TURBINES 1 & 2	2	21	0.57439	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	103	0.81121	-0.23682	2 54

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

Wichita - Reno Co 345KV
EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
From->To
EAST MCPHERSON - SUMMIT 230KV CKT 1
57368573721568725687312206SH Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

		Aggregate Relief
Reservation		Amount
1034311	4.7	15.1
1034363	3.0	15.1
1034407	1.8	15.1
1034420	1.5	15.1
1034424	3.0	15.1
1034628	0.9	15.1
1037590	0.2	15.1

1037590	0.2	15.1	1								
			Maximum		Sink			Maximum		ſ	Redispatch
			Increment(		Control			Decrement(		1 '	Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		JEFFREY ENERGY CENTER UNIT 2	1	470			46
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	46
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485		JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	46
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	46
		4					1	470			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50 50			JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	46
	BPU - CITY OF MCPHERSON GAS TURBINE 3	1				JEFFREY ENERGY CENTER UNIT 3	1		0.02348	-0.32833	46
	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485		JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.32833	46
	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485		JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.32833	46
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	47
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649		47
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	47
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.3213	47
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.3213	47
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.32134	47
	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	48
	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	48
	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00046	-0.3143	48
		1	52				4				48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1				LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	48
	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.31431	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.3143	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.31481	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	48
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	48
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		CITY OF ERIE	1	20	0.0016		49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004		49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52				14	33.658	0.0016	-0.30645	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CITY OF ERIE	1	20	0.0016	-0.30645	49
		1	52				4	200.5029	0.0010		49
	BPU - CITY OF MCPHERSON GAS TURBINE 2	1				EVANS ENERGY CENTER UNIT 2	14			-0.30525	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	49
	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485		CITY OF ERIE	1	20	0.0016	-0.30645	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29782		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.30727	49
	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.30778	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.3063	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.3063	49
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	49
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	CITY OF ERIE	1	20	0.0016	-0.30645	49
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.30485	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		CITY OF WELLINGTON	5	20	-0.00166	-0.30319	50
	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485			6	19.5	-0.00166	-0.30319	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485		WACO	1	17.964	-0.00303	-0.30215	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	52			CITY OF WELLINGTON	5	20	-0.0027	-0.30213	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CITY OF WELLINGTON	6	19.5	-0.00166	-0.30319	50
		1					4				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			GILL ENERGY CENTER UNIT 4	1	77	-0.00305	-0.3018	50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52 50	-0.30485		WACO	1	17.964	-0.0027	-0.30215	50
				-0.30485						-0.30319	50
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CITY OF WELLINGTON CITY OF WELLINGTON	b	19.5 20	-0.00166 -0.00166		

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50 -0.30485 WERE	IGILL ENERGY CENTER UNIT 4	11	77 -0.00305 -0.3018 50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	50 -0.30485 WERE	WACO	- 1	17.964 -0.0027 -0.30215 50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.29782 WERE	CHANUTE GENERATION SUB	14	33.658 0.0016 -0.29942 50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.29782 WERE	CITY OF ERIE	14	20 0.0016 -0.29942 50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	79 -0.29782 WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029 0.0004 -0.29822 50
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.30485 WERE	CITY OF WELLINGTON	Ė	20 -0.00166 -0.30319 50
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.30485 WERE	CITY OF WELLINGTON	9	19.5 -0.00166 -0.30319 50
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.30485 WERE	GILL ENERGY CENTER UNIT 4	0	77 -0.00305 -0.3018 50
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.30465 WERE 27 -0.30485 WERE	WACO		17.964 -0.0027 -0.30215 50
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.29782 WERE	CITY OF WELLINGTON		19.5 -0.00166 -0.29616 51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.29762 WERE 79 -0.29782 WERE	CITY OF WELLINGTON	0	20 -0.00166 -0.29616 51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	79 -0.29782 WERE	GILL ENERGY CENTER UNIT 4	0	77 -0.00305 -0.29477 51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		WACO	<u>'</u>	
		79 -0.29782 WERE		<u> </u>	
WERE WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.24035 WERE 78 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	1	470 0.02348 -0.26383 57 470 0.02348 -0.26383 57
				<u> </u>	
WERE WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.24035 WERE 52 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	1	470 0.02348 -0.26383 57 470 0.02348 -0.26383 57
				- [1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 2	1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02348 -0.26383 57 470 0.02348 -0.26383 57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 2	1	
WERE WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.24035 WERE 31 -0.24024 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02348 -0.26383 57 470 0.02348 -0.26372 57
	HUTCHINSON ENERGY CENTER UNIT 3 1		JEFFREY ENERGY CENTER UNIT 2	1	
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.24024 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02348 -0.26372 57
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.2405 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02348 -0.26398 57
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.2405 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02348 -0.26398 57
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01649 -0.25684 59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01649 -0.25684 59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01649 -0.25684 59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.24035 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01649 -0.25684 59
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.24024 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01649 -0.25673 59
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.2405 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01649 -0.25699 59
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.24035 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.00945 -0.2498 60
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.24035 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755 0.00996 -0.25031 60
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.24035 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00848 -0.24883 60
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.24035 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00848 -0.24883 60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.24035 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.00945 -0.2498 60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.24035 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755 0.00996 -0.25031 60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.24035 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00848 -0.24883 60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.24035 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00848 -0.24883 60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.24035 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.00945 -0.2498 60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.24035 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755 0.00996 -0.25031 60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.24035 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00848 -0.24883 60
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.24035 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00848 -0.24883 60

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 Wichita - Reno Co 345KV

 Limiting Facility:
 EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1

 Direction:
 From->To

 Line Outage:
 EAST MCPHERSON - SUMMIT 230KV CKT 1

 Flowgate:
 57368573721568725687312207SH

 Date Redispatch Needed:
 6/1/07 - 10/1/07

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1034234	0.2	5.1
1034276	0.5	5.1
1034311	0.8	5.1
1034363	0.3	5.1
1034407	0.3	5.1
1034420	0.2	5.1
1034424	0.4	5.1
1034589	0.1	5.1
1034590	0.3	5.1
1034595	1.2	5.1
1034628	0.1	5.1
1036932	0.4	5.1
1037590	0.0	5.1
1040115	0.4	5.1

Maistraum   Source Centrol Area   Source   Source   Maistraum   Source   Maistraum   Source   Maistraum   Source   Maistraum   Maistraum   Source   Maistraum   Maistraum   Source   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Maistraum   Mai	1040	0115	0.4	5.1	1								
Source OM MAY) OSF Area  WREE BIFU-CITY OF MCPHERSON GAS TURBINE 1  1		5110	0	0.1	Maximum	1	Sink			Maximum			Redispatch
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.29778/WERE BFFFRY YERROY CENTER UNIT 2 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 2 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 2 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 2 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 3 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 2 0.29778/WERE BFFFRY YERROY CENTER UNIT 3 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 3 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 3 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 3 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 3 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 3 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 3 1 470 0.00008 0.31238 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 1 1 470 0.00408 0.30008 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 1 1 470 0.00408 0.30008 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 1 1 470 0.00408 0.30008 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5 0.29778/WERE BFFFRY YERROY CENTER UNIT 1 1 4 0.00000 0.00740 0.29008 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5 0.29778/WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5 0.29778/WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5 0.29778/WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5 0.29778/WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5 0.2977					Increment		Control			Decrement(			Amount
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1	Source Control Area	Source	S	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
MERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 27 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 27 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 27 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0 20 37178 WEER BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0 20 37178 WEER	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	16
WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 0.29178/WERE BFFREY ENRROY CENTER UNIT 2 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 470 0.00008 0.31238 1 1 1 1 470 0.00008 0.31238 1 1 1 1 470 0.00008 0.31238 1 1 1 1 470 0.00008 0.31238 1 1 1 1 470 0.00008 0.31238 1 1 1 1 470 0.00008 0.31238 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	16
WERE BPU_CITY OF MCPHERSON GAS TURRINE 3   50 0.29178 WERE BPU_CITY OF MCPHERSON GAS TURRINE 3   50 0.29178 WERE BPU_CITY OF MCPHERSON STEAM PLANT   27 0.29178 WERE BPU_CITY OF MCPHERSON STEAM PLANT   27 0.29178 WERE BPU_CITY OF MCPHERSON STEAM PLANT   27 0.29178 WERE BPU_CITY OF MCPHERSON STEAM PLANT   27 0.29178 WERE BPU_CITY OF MCPHERSON GAS TURRINE   1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	16
WERE BPU-CITY OF MCPHERSON GAS TURRINE S 1 55 0.29178 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.29178 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.29178 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 1 1 51 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178 WERE BPU-CITY OF MCPHERSON GAS TURRINE 2 1 52 0.29178	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	16
WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.20178 WERE BFFEEY BNERGY CENTER UNIT 2 1 470 0.00052 - 0.31238 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE GTY OF BRIEFRY CENTER UNIT 1 1 20 0.0011 - 0.20288 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE GTY OF BRIEFRY CENTER UNIT 1 1 20 0.0011 - 0.20288 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE LAWRENCE ENERGY CENTER UNIT 1 1 24 0.00074 - 0.2918 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE LAWRENCE ENERGY CENTER UNIT 1 1 40 0.00703 - 0.2918 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE LAWRENCE ENERGY CENTER UNIT 7 1 40 0.00703 - 0.2918 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE LEVEL OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE TECHNISH ENERGY CENTER UNIT 7 1 40 0.00703 - 0.2918 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.29178 WERE TECHNISH ENERGY CENTER UNIT 7 1 40 0.00703 - 0.2918 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29178 WERE BPU - CITY OF MCPHERSON GAS TURBINE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	16
WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27 0.20176 WERE BFFEREY ENERGY CENTER UNT 3 1 470 0.02052 -0.31238 11 433.041 0.0011 0.22088 11 4 33.041 0.0011 0.22088 11 4 33.041 0.0011 0.22088 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF ERIE CITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF ERIE CITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF ERIE CITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF ERIE CITY OF MCPHERSON GAS TURBINE 1 1 20 0.0011 0.22088 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF ERIE CITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF MCPHERSON GAS TURBINE 1 1 51 0.20176 WERE GITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 4 33.041 0.0011 0.20288 1 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 4 33.041 0.0011 0.20288 1 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 4 33.041 0.0011 0.20288 1 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 4 33.041 0.0011 0.20288 1 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 4 33.041 0.0011 0.20288 1 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 4 33.041 0.0011 0.20288 1 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 4 33.041 0.0011 0.20288 1 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 1 3.0010 0.0011 0.20288 1 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.20176 WERE GENERATION SUB 1 1 4 30.0010 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	16
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 0.29280 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE CHANUTE GENERATION SUB 1 4 33.041 0.0011 0.29280 11 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 1 51 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.29176 WERE JPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.29176 WERE JPU_CI	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.31238	16
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.31238	16
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.29178/WERE LEFFREY ENERGY CENTER UNIT 1 1 470 0.01482 -0.30588 1 1 1 51 -0.29178/WERE LEFFREY ENERGY CENTER UNIT 1 1 60 0.0074 -0.29916 1 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29916 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.29917 1 1 60 0.0074 -0.	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	17
WERE BPU-CITY OF MCPHERSON GAS TURBINE ! 1 51 -0.29178 WERE LAWRENCE ENERGY CENTER UNIT 1 1 2437389 0.00764 -0.2994 17	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	CITY OF ERIE	1	20	0.0011	-0.29286	17
WERE BPU-CITY OF MCPHERSON GAS TURBINE ! 1 51 -0.29178/WERE LAWRENCE ENERGY CENTER UNIT 9 1 243.7389 0.00764 -0.2996 17 WERE BPU-CITY OF MCPHERSON GAS TURBINE ! 1 51 -0.29178/WERE IECUMSEH NERGY CENTER UNIT 7 1 40 0.00702 -0.29878 17 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29178/WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.291	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	17
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 51 - 0.29176 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.00702 - 0.29876 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 - 0.29286 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 - 0.29286 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 - 0.29286 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 - 0.29286 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 40 0.00702 - 0.29816 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENER	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	17
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 51 - 0.29176 WERE TECUMSEN ENERGY CENTER UNIT 7 1 40 0.00702 - 0.29876 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 - 0.29286 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 - 0.29286 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 - 0.29286 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 33.041 0.0011 - 0.29286 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERATION SUB 14 40 0.00702 - 0.29816 11   WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENERAL CHANUTE GENER	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243,7398	0.00764	-0.2994	17
WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.1 0_29176 WERE CHANDITE GENERATION SUB 1 4 33.041 0.0011 0_29236 11 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE CHANDITE GENERATION SUB 1 4 33.041 0.0011 0_29236 11 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF EXPLICATION SUB 1 4 4 0.00764 0_29965 11 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 5.2 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 5.0 0_29176 WERE BPU_CITY O	WERE		1				WERE		1			-0.29878	17
WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29176 WERE CHANTE GENERATION SUB 14 33.041 0.0011 0.29236 1.  WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29176 WERE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE CITY OF ERIE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	17
WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 - 0.29176 WERE TECHNISH ENERGY CENTER UNIT 5 1 40 0.00702 0.29876 17 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE TECHNISH ENERGY GENTER UNIT 5 1 40 0.00702 0.29876 17 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE TECHNISH ENERGY GENTER UNIT 5 1 470 0.0011 0.29286 17 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE TECHNISH ENERGY GENTER UNIT 1 1 470 0.01482 0.30688 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 0.29176 WERE DPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE DPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE DPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE DPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE DPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE DPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE DPU -	WERE		1		52	-0.29176	WERE		14	33.041	0.0011	-0.29286	17
WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 5222176 WERE LAWRENCE ENERGY CENTER UNIT 5 1 .2437389 .0.0764 .0.29916 17 .0.0000	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	CITY OF ERIE	1	20	0.0011	-0.29286	17
WERE   SPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   -0.29176 WERE   LAWRENCE ENERGY CENTER UNIT 7   1   40   0.00762   -0.2994   11	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	17
WERE   SPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   -0.29176 WERE   LAWRENCE ENERGY CENTER UNIT 7   1   40   0.00762   -0.2994   11	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	17
WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.29176 WERE TECUMSEH ENERGY CENTER UNIT 8 1 68.00001 0.00702 - 0.29878 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.29176 WERE CITY OF ERIE 1 20 0.0011 - 0.29266 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.29176 WERE CITY OF ERIE 1 20 0.0011 - 0.29266 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.29176 WERE CITY OF ERIE 1 20 0.0011 - 0.29266 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.29176 WERE LAWRENCE ENERGY CENTER UNIT 1 1 470 0.01482 - 0.30688 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.29176 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.0074 - 0.29916 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.29176 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.00764 - 0.2994 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.29176 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.00764 - 0.2994 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.29176 WERE TECUMSEH ENERGY CENTER UNIT 5 1 40 0.00702 - 0.29978 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE BEFREY ENERGY CENTER UNIT 5 1 470 0.02062 - 0.3046 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE BEFREY ENERGY CENTER UNIT 2 1 470 0.02062 - 0.3046 11 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28398 WERE BEFREY ENERGY CENTER UNIT 3 1 470 0.02062 - 0.3046 11 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 - 0.29176 WERE CHANUTE GENERATION SUB 1 4 33.041 0.0011 - 0.29286 11 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 - 0.29176 WERE CHANUTE GENERATION SUB 1 4 33.041 0.0011 - 0.29286 11 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 2 2 - 0.29176 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 2 2 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 2 2 - 0.29176 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 2 2 - 0.29176 WERE BPU - CITY OF MCPHERS	WERE		1				WERE		1	243,7398	0.00764	-0.2994	17
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.29176 WERE   CHANUTE GENERATION SUB   14   33.041   0.0011   -0.29286   17	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	17
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.29176 WERE   CHANUTE GENERATION SUB   14   33.041   0.0011   -0.29286   17	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	17
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29178   WERE   BPU - CITY OF ENCHERSON GAS TURBINE 3   1   50   0.29178   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29178   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29178   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   470   0.01482   0.30658   11	WERE		1						14	33.041	0.0011		17
WERE   SPU_CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29176 WERE   SPU_CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29176 WERE   LAWRENCE ENERGY CENTER UNIT 4   1   60   0.0074   0.29916   11	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	CITY OF ERIE	1	20	0.0011	-0.29286	17
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29176   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   60   0.0074   0.29916   11   12   12   12   12   12   12			1		50	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	17
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29176   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29176   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29176   WERE   EFERY SERGY CENTER UNIT 7   1   40   0.00702   0.29878   11	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074		17
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.29176   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.00702   0.28878   11	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243,7398	0.00764	-0.2994	17
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.28398   WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.01482   -0.2988   17	WERE		1		50	-0.29176	WERE		1	40	0.00702	-0.29878	17
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.28398   WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.01482   -0.2988   11   1   1   1   1   1   1   1   1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	17
WERE         BPU-CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.28398 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.02062         -0.3046         11           WERE         BPU-CITY OF MCPHERSON STEAM PLANT         1         79         -0.28398 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.02062         -0.3046         17           WERE         BPU-CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         CHANUTE GENERATION SUB         14         33.041         0.0011         -0.29286         17           WERE         BPU-CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         CITY OF ERIE         1         20         0.0011         -0.29286         11           WERE         BPU-CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.0074         -0.29916         11           WERE         BPU-CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.00764         -0.29916         11           WERE         BPU-CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.2988	17
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.29176   WERE   CHANUTE GENERATION SUB   14   33.041   0.0011   -0.29286   17   17   -0.29176   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.29176   WERE   CITY OF ERIE   1   20   0.0011   -0.29286   17   1   1   1   1   1   1   2   1   2   2	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02062	-0.3046	17
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.29176   WERE   CITY OF ERIE   1   20   0.0011   -0.29286   17	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02062	-0.3046	17
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.29176   WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.01482   -0.30658   17   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.29176   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   60   0.0074   -0.29916   17   1   1   1   1   1   1   1   1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	17
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.074         -0.29916         17           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.00744         -0.2994         17           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00702         -0.29878         11           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00702         -0.29878         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1				WERE	CITY OF ERIE	1		0.0011		17
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.29176   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   243.7398   0.00764   -0.2994   17   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.29176   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.00702   -0.29878   11   1   1   1   1   1   1   1   1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	17
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.00702         -0.29878         17           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001         0.00702         -0.29878         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         7         -0.00293         -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         51	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	17
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.29176 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         68.00001         0.00702         -0.29878         17           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.0019         -0.29157         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.0019         -0.29157         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         GILL ENERGY CENTER UNIT 2         1         77         -0.00293         -0.28883         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00265         -0.289181         1         51         -0.29176 WERE         CITY OF WELLINGTON         5         20	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	17
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29016 TI           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         GILL ENERGY CENTER UNIT 2         1         77         -0.00293         -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         WACO         1         17.947         -0.00268         -0.28911         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLIN	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	17
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.0019         -0.29175         14           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00293         -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         WACO         1         17,947         -0.00265         -0.28911         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1		27	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	17
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.0019         -0.29157         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00293         -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         WACO         1         17.947         -0.00265         -0.289181         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	CITY OF WELLINGTON	5	20	-0.00168	-0.29008	18
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00293         -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         WACO         1         17.947         -0.00265         -0.28911         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.00019         -0.29177         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	CITY OF WELLINGTON	6	19.5	-0.00168	-0.29008	18
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.29176 WERE         WACO         1         17.947 -0.00265 -0.28911         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52 -0.29176 WERE         CITY OF WELLINGTON         5         20 -0.00168 -0.29008         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52 -0.29176 WERE         CITY OF WELLINGTON         6         19.5 -0.00168 -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52 -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305 -0.00019 -0.29157         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52 -0.29176 WERE         GILL SENERGY CENTER UNIT 2         1         77 -0.00293 -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52 -0.29176 WERE         GILL SENERGY CENTER UNIT 4         1         77 -0.00293 -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52 -0.29176 WERE         WERE         WERE UNIT 4         1         17.947 -0.00265 -0.28911         18	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	18
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         5         20         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.00199         -0.29157         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00293         -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         WERE         WACO         1         17.947         -0.00265         -0.28911         18	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	18
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         CITY OF WELLINGTON         6         19.5         -0.00168         -0.29008         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.00019         -0.29157         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00293         -0.28913         11           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         WACO         1         17.947         -0.00265         -0.28911         16	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51	-0.29176	WERE	WACO	1	17.947	-0.00265	-0.28911	18
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.0019         -0.29157         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00293         -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         WACO         1         17.947         -0.00265         -0.28911         18	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	CITY OF WELLINGTON	5	20	-0.00168	-0.29008	18
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00293         -0.28883         18           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.29176 WERE         WACO         1         17.947         -0.00265         -0.28911         18	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	CITY OF WELLINGTON	6	19.5	-0.00168	-0.29008	18
WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.29176 WERE WACO 1 17.947 -0.00265 -0.28911 18	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	18
	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	18
WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.29176 WERE CITY OF WELLINGTON 6 19.5 -0.00168 -0.29008 18	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52	-0.29176	WERE	WACO	1	17.947	-0.00265	-0.28911	18
	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50	-0.29176	WERE	CITY OF WELLINGTON	6	19.5	-0.00168	-0.29008	18

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50 -0.29176 WERE	CITY OF WELLINGTON	5	20 -0.00168 -0.29008 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50 -0.29176 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00019 -0.29006 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50 -0.29176 WERE	GILL ENERGY CENTER UNIT 4	- 1	77 -0.00293 -0.28883 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50 -0.29176 WERE	WACO	1	17.947 -0.00265 -0.28911 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	CHANUTE GENERATION SUB	14	33.041 0.0011 -0.28508 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	CITY OF ERIE	17	20 0.0011 -0.28508 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	CITY OF WELLINGTON	6	19.5 -0.00168 -0.2823 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	CITY OF WELLINGTON	5	20 -0.00168 -0.2823 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00019 -0.28379 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	GILL ENERGY CENTER UNIT 4	<del> </del>	77 -0.00293 -0.28105 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.0074 -0.29138 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.00764 -0.29162 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00702 -0.291 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00702 -0.291 18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28398 WERE	WACO	1	17.947 -0.00265 -0.28133 18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.29176 WERE	CITY OF WELLINGTON	6	19.5 -0.00168 -0.29008 18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.29176 WERE	CITY OF WELLINGTON	5	20 -0.00168 -0.29008 18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.29176 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00019 -0.29157 18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.29176 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00293 -0.28883 18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.29176 WERE	WACO	1	17.947 -0.00265 -0.28911 18
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24299 21
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24299 21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24299 21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24299 21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24299 21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24299 21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24299 21
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24299 21
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 -0.22225 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24287 21
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 -0.22225 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24287 21
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.22225 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24287 21
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.22225 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24287 21
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22225 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24287 21
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22225 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24287 21
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999 -0.22252 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24314 21
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999 -0.22252 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24314 21
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01482 -0.23719 22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.0074 -0.22977 22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.00764 -0.23001 22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00702 -0.22939 22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00702 -0.22939 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01482 -0.23719 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.0074 -0.22977 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.00764 -0.23001 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 7	[1	40 0.00702 -0.22939 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00702 -0.22939 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01482 -0.23719 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 4	11	60 0.0074 -0.22977 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 5	[1	243.7398 0.00764 -0.23001 22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00702 -0.22939 22

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

Wichita - Reno Co 345KV EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1 From->To EAST MCPHERSON - SUMMIT 230KV CKT 1 57368573721568725687312211WP 12/1/2011 - 4/1/2012 Line Outage: Flowgate:

Date Redispatch Needed:

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032991	0.1	15.2
1032991	0.1	15.2
1032992	0.3	15.2
1032992	0.4	15.2
1034234	0.5	15.2
1034276	1.0	15.2
1034311	1.6	15.2
1034363	1.0	15.2
1034407	1.0	15.2
1034420	0.5	15.2
1034424	0.8	15.2
1034434	0.7	15.2
1034589	0.4	15.2
1034590	0.9	15.2
1034595	2.5	15.2
1034625	1.5	15.2
1034628	0.4	15.2
1036932	0.7	15.2
1037590	0.1	15.2
1040115	0.8	15.2

10401	115	0.8 15.2	2								
			Maximum		Sink			Maximum			Redispatch
			Increment	(	Control			Decrement			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.30646	6 49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 2	1	470			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31226	6 49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.30646	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.31226	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29162	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.30646	49
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0		JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31226	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31226	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.30646	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31226	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31226	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.30449	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 3	1	470			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 5	1	173.8395		-0.29928	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 5	1	173.8395			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	173.8395			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0		JEFFREY ENERGY CENTER UNIT 1	1	470			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			LAWRENCE ENERGY CENTER UNIT 5	1	173.8395		-0.29928	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			CHANUTE GENERATION SUB	14	28.161	0.0009	-0.29252	2 52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			CITY OF WELLINGTON	5	20		-0.28996	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			CITY OF WELLINGTON	6	19.36		-0.28996	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			EVANS ENERGY CENTER UNIT 2	1	55		-0.29143	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			WACO	1	17.96		-0.28898	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CHANUTE GENERATION SUB	14	28.161	0.0009	-0.29252	2 52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CITY OF WELLINGTON	6	19.36		-0.28996	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CITY OF WELLINGTON	5	20		-0.28996	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			EVANS ENERGY CENTER UNIT 2	1	55		-0.29143	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			WACO	1	17.96		-0.28898	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CHANUTE GENERATION SUB	14	28.161	0.0009	-0.29252	2 52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CITY OF WELLINGTON	6	19.36		-0.28996	5 52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CITY OF WELLINGTON	5	20		-0.28996	5 52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	1	55		-0.29143	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			WACO		17.96		-0.28898	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	173.8395			1 52
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			CHANUTE GENERATION SUB	14	28.161	0.0009	-0.29252	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			CITY OF WELLINGTON	5	20			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			CITY OF WELLINGTON	6	19.36			
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			EVANS ENERGY CENTER UNIT 2	1	55		-0.29143	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			WACO	1	17.96			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			CHANUTE GENERATION SUB	14	28.161	0.0009	-0.28475	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0		EVANS ENERGY CENTER UNIT 2	1	55		-0.28366	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			CITY OF WELLINGTON	5	20		-0.28219	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	CITY OF WELLINGTON	6	19.36	-0.00166	-0.28219	9 54

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WEDE	LILITOLINGON ENEDOV CENTED ONG TRUDING	70 0 00000111555	IEEEDEV ENEDOV OENTED LINIT C	Ta .	470 0.00004 0.04000
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 2	[1	470 0.02064 -0.24286 62
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 3	[:	470 0.02064 -0.24286 62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02064 -0.24286 62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02064 -0.24286 62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02064 -0.24286 62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02064 -0.24286 62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02064 -0.24286 62
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02064 -0.24286 62
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22199 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02064 -0.24263 62
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22199 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02064 -0.24263 62
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02064 -0.24302 62
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02064 -0.24302 62
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01484 -0.23706 64
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01484 -0.23706 64
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01484 -0.23706 64
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22222 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01484 -0.23706 64
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22199 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01484 -0.23683 64
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01484 -0.23722 64
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22222 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395 0.00766 -0.22988 66
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22222 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395 0.00766 -0.22988 66
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22222 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395 0.00766 -0.22988 66
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22222 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395 0.00766 -0.22988 66
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22199 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395 0.00766 -0.22965 66
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151 -0.22238 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395 0.00766 -0.23004 66
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22222 WERE	CHANUTE GENERATION SUB	14	28.161 0.0009 -0.22312 68
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22222 WERE	EVANS ENERGY CENTER UNIT 2	1	55 -0.00019 -0.22203 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22222 WERE	CHANUTE GENERATION SUB	14	28.161 0.0009 -0.22312 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22222 WERE	EVANS ENERGY CENTER UNIT 2	1	55 -0.00019 -0.22203 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22222 WERE	CHANUTE GENERATION SUB	14	28.161 0.0009 -0.22312 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22222 WERE	EVANS ENERGY CENTER UNIT 2	1	55 -0.00019 -0.22203 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22222 WERE	CHANUTE GENERATION SUB	14	28.161 0.0009 -0.22312 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22222 WERE	EVANS ENERGY CENTER UNIT 2	1	55 -0.00019 -0.22203 68
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22199 WERE	CHANUTE GENERATION SUB	14	28.161 0.0009 -0.22289 68
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22199 WERE	EVANS ENERGY CENTER UNIT 2	1	55 -0.00019 -0.2218 68
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151 -0.22238 WERE	CHANUTE GENERATION SUB	14	28.161 0.0009 -0.22328 68
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151 -0.22238 WERE	EVANS ENERGY CENTER UNIT 2	1	55 -0.00019 -0.22219 68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 1	51 -0.29162 WERE	CLAY CENTER JUNCTION	1	9999 -0.10172 -0.1899 80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52 -0.29162 WERE	CLAY CENTER JUNCTION	1	9999 -0.10172 -0.1899 80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50 -0.29162 WERE	CLAY CENTER JUNCTION	1	9999 -0.10172 -0.1899 80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.29162 WERE	CLAY CENTER JUNCTION	li i	9999 -0.10172 -0.1899 80
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	66 -0.16093 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02064 -0.18157 83
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	66 -0.16093 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02064 -0.18157 83
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.28385 WERE	CLAY CENTER JUNCTION	1	9999 -0.10172 -0.18213 83
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	66 -0.16093 WERE	JEFFREY ENERGY CENTER UNIT 1	- 1	470 0.01484 -0.17577 86
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	66 -0.16093 WERE	LAWRENCE ENERGY CENTER UNIT 5	- 1	173.8395 0.00766 -0.16859 90
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1	66 -0.16093 WERE	EVANS ENERGY CENTER UNIT 2	- 1	55 -0.00019 -0.16074 94
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	78 -0.22222 WERE	CLAY CENTER JUNCTION		9999 -0.10172 -0.1205 126
		52 -0.22222 WERE			
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1		CLAY CENTER JUNCTION	- []	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22222 WERE 52 -0.22222 WERE	CLAY CENTER JUNCTION	1 1	9999 -0.10172 -0.1205 126 9999 -0.10172 -0.1205 126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	0 0 0 0 0 0 0	CLAY CENTER JUNCTION	- []	
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1  It and Maximum Increment were determine from the Souce and Sink Operation		CLAY CENTER JUNCTION	[1	9999 -0.10172 -0.12066 126

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Wichita - Reno Co 345KV

Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1

Direction:

Reservation

To->From
EAST MCPHERSON - SUMMIT 230KV CKT 1
57368573811568725687312206SH Line Outage:

Relief Amount

Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

1026268		22.4									
1034311											
1034363	3.0										
1034407		22.4									
1034420		22.4									
1034424		22.4									
1034628											
1037590	0.2	22.4		1	Io:I-	ı		That are discovered		1	Dediesetek
			Maximum		Sink			Maximum	.		Redispatch
0	0	0	Increment(		Control	Oi-I-	0:-1-1-1	Decrement(		F4	Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51 51			JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	1	470 470		-0.32833 -0.32833	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	52			JEFFREY ENERGY CENTER UNIT 2	4	470			68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.32833 -0.32833	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.32833	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50				1	470			68
WERE	BPU - CITY OF MCPHERSON GAS TORBINE S	1	27			JEFFREY ENERGY CENTER UNIT 3 JEFFREY ENERGY CENTER UNIT 2	1	470		-0.32833 -0.32833	68
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.32833	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.32633	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.32134	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.32134	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	79			JEFFREY ENERGY CENTER UNIT 2	1	470	0.01649	-0.32134	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.20.0	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.3213	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.32134	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 4	1	60		-0.3143	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 5	1	238.7755		-0.31481	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 4	1	60		-0.3143	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 5	1	238.7755		-0.31481	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 4	1	60		-0.3143	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	238.7755		-0.31481	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.31431	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			LAWRENCE ENERGY CENTER UNIT 4	1	60		-0.3143	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			LAWRENCE ENERGY CENTER UNIT 5	1	238.7755		-0.31481	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30485	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.31333	72
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.31333	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		-0.31333	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	11	200.5029	0.0004	-0.30525	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	LAWRENCE ENERGY CENTER UNIT 4	11	60		-0.30727	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0	WERE	LAWRENCE ENERGY CENTER UNIT 5	11	238.7755	0.00996	-0.30778	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.3063	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	TECUMSEH ENERGY CENTER UNIT 8	1 4 4	68.00001		-0.3063	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.30645	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.30525	
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 2	1	51 52		WERE	GILL ENERGY CENTER UNIT 4 GILL ENERGY CENTER UNIT 4	1	77		-0.3018 -0.3018	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2  BPU - CITY OF MCPHERSON GAS TURBINE 3	1	52			GILL ENERGY CENTER UNIT 4  GILL ENERGY CENTER UNIT 4	1	77		-0.3018	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3  BPU - CITY OF MCPHERSON STEAM PLANT	1	27			GILL ENERGY CENTER UNIT 4	1	77		-0.3018	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			CHANUTE GENERATION SUB	14	33.658	0.00305	-0.29942	2 75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.29942	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			GILL ENERGY CENTER UNIT 4	1	200.5028		-0.29622	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.26383	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.26383	
WERE	HUTCHINSON ENERGY CENTER GAS TIRBINE 1	1	52			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.26383	85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.26383	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	i	50			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.26383	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.26383	
**	THE FORM CONTENT OF SERVICE CONSTRUCTION	Ľ	. 50			TE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)	1'-	470	0.02340	0.20303	00

Aggregate Relief

Amount

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26383
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26383
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26372
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26372
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.2405	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02348	-0.26398
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.2405		JEFFREY ENERGY CENTER UNIT 3	1	470	0.02348	-0.26398
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25684
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.24024	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25673
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.2405	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01649	-0.25699
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.2498
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25031
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24883
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24883
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.24024	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.24969
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.24024	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.2502
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.24024	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24872
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.24024	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24872
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.2405	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00945	-0.24995
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.2405	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.00996	-0.25046
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.2405	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00848	-0.24898
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.2405	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00848	-0.24898
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.24035	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.24195
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.24035	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.24075
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.24035	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.24195
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.24035	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.24075
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.24035	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.24195
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.24035	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.24075
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	CHANUTE GENERATION SUB	14	33.658	0.0016	-0.24195
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.24035	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.0004	-0.24075

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

Wichita - Reno Co 345KV EXIDE JUNCTION - SUMMIT 115KV CKT 1 To-From EAST MCPHERSON - SUMMIT 230KV CKT 1 57388573811568725687312207FA 10/1/07 - 12/1/07 Line Outage:

Flowgate:
Date Redispatch Needed:

Date Redispater Needed.	10/1/07 - 12/1/07		
			Aggregate
			Relief
Reservation	Relief Amount		Amount
1026268		2.1	11.0
1032991		0.1	11.0
1032991		0.1	11.0
1032992		0.3	11.0
1034234		0.5	11.0
1034276		0.9	11.0
1034311		1.5	11.0
1034420		0.4	11.0
1034424		0.7	11.0
1034589		0.2	11.0
1034590		0.4	11.0
1034595		2.3	11.0
1034628		0.2	11.0
1036932		0.7	11.0
1037590		0.0	11.0
1040115		0.8	11.0

1040115	5 0	8 11.0	)								
			Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.31237	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.30657	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.30657	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.30657	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.30459	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206	-0.30459	36
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.30657	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.2994	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.2994	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29177	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.2994	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701	-0.29878	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28399	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0148	-0.29879	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29177	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763	-0.2994	37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701		37
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701		37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	CHANUTE GENERATION SUB	14	42.721	0.00108		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			EVANS ENERGY CENTER UNIT 2	1	165	-0.00022		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			WACO	1	17.946	-0.00268		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CHANUTE GENERATION SUB	14	42.721	0.00108		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			EVANS ENERGY CENTER UNIT 2	1	165	-0.00022	-0.29155	38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	WACO	1	17.946	-0.00268		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CHANUTE GENERATION SUB	14	42.721	0.00108		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	1	165	-0.00022		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			WACO	1	17.946	-0.00268		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.00763		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00701		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.00701		38
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			CHANUTE GENERATION SUB	14	42.721	0.00108		38
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			EVANS ENERGY CENTER UNIT 2	1	165	-0.00022		38
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			WACO	1	17.946	-0.00268		38
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			CHANUTE GENERATION SUB	14	42.721	0.00108		39
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			EVANS ENERGY CENTER UNIT 2	1	165	-0.00022		39
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			WACO	1	17.946	-0.00268		39
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206		45
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0206		45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0206	-0.24298	45

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 3	14	470 0.0206 -0.24298 45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.0206 -0.24298 45 470 0.0206 -0.24298 45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.0206 -0.24298 45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.0206 -0.24298 45
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.0206 -0.24298 45
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 -0.22236 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.0206 -0.24286 45
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 -0.22226 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.0206 -0.24286 45
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.22226 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.0206 -0.24286 45
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.22226 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.0206 -0.24286 45
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22226 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.0206 -0.24286 45
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22226 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.0206 -0.24286 45
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.22253 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.0206 -0.24286 45
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.22253 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.0206 -0.24313 45
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.22253 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.0206 -0.24313 45
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.0146 -0.23735 46
WERE		52 -0.22238 WERE		1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 1 JEFFREY ENERGY CENTER UNIT 1	1	470 0.0148 -0.23718 47 470 0.0148 -0.23718 47
				1	
WERE WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 HUTCHINSON ENERGY CENTER UNIT 1 1	52 -0.22238 WERE 18 -0.22226 WERE	JEFFREY ENERGY CENTER UNIT 1	1	
			JEFFREY ENERGY CENTER UNIT 1	1	
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.22226 WERE 31 -0.22226 WERE	JEFFREY ENERGY CENTER UNIT 1	1	
WERE WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	78 -0.22238 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.0148 -0.23706 47 243,3058 0.00763 -0.23001 48
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22238 WERE	LAWRENCE ENERGY CENTER UNIT 5 TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00701 -0.22939 48
WERE		78 -0.22238 WERE		1	
	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22238 WERE 52 -0.22238 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	52 -0.22238 WERE 52 -0.22238 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22238 WERE 52 -0.22238 WERE	TECHNSEH ENERGY CENTER UNIT 7	1	40 0.00701 -0.22939 48 50.4072 0.00701 -0.22939 48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1		TECUMSEH ENERGY CENTER UNIT 8	1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22238 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22238 WERE 50 -0.22238 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00701 -0.22939 48 50.4072 0.00701 -0.22939 48
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.22238 WERE 52 -0.22238 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	
WERE WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22238 WERE 52 -0.22238 WERE	LAWRENCE ENERGY CENTER UNIT 5 TECUMSEH ENERGY CENTER UNIT 7	1	243.3058 0.00763 -0.23001 48 40 0.00701 -0.22939 48
				1	
WERE WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.22238 WERE 18 -0.22226 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	
	HUTCHINSON ENERGY CENTER UNIT 1 1		LAWRENCE ENERGY CENTER UNIT 5	1	
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18 -0.22226 WERE 18 -0.22226 WERE	TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	40 0.00701 -0.22927 48 50.4072 0.00701 -0.22927 48
WERE WERE	HUTCHINSON ENERGY CENTER UNIT 1 1			1	243.3058 0.00763 -0.22989 48
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1 HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.22226 WERE 18 -0.22226 WERE	LAWRENCE ENERGY CENTER UNIT 5 TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00701 -0.22927 48
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.22226 WERE 18 -0.22226 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	
				1	50.4072 0.00701 -0.22927 48 243.3058 0.00763 -0.22989 48
WERE WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22226 WERE 31 -0.22226 WERE	LAWRENCE ENERGY CENTER UNIT 5 TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00701 -0.22927 48
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1 HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.22226 WERE 31 -0.22226 WERE	TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	50.4072 0.00701 -0.22927 48
WERE	HUTCHINSON ENERGY CENTER UNIT 3	111 -0.22253 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058 0.00763 -0.23016 48
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.22253 WERE 111 -0.22253 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00701 -0.22954 48
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.22253 WERE	TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	50.4072 0.00701 -0.22954 48
WERE		78 -0.22238 WERE	CHANUTE GENERATION SUB	14	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	78 -0.22238 WERE 52 -0.22238 WERE	CHANUTE GENERATION SUB	14	42.721 0.00108 -0.22346 49 42.721 0.00108 -0.22346 49
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22238 WERE 50 -0.22238 WERE	CHANUTE GENERATION SUB	14	42.721 0.00108 -0.22346 49 42.721 0.00108 -0.22346 49
WERE		50 -0.22238 WERE 52 -0.22238 WERE	CHANUTE GENERATION SUB	14	
	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1			14	
WERE WERE	HUTCHINSON ENERGY CENTER UNIT 1 1 HUTCHINSON ENERGY CENTER UNIT 2 1	18 -0.22226 WERE 18 -0.22226 WERE	CHANUTE GENERATION SUB CHANUTE GENERATION SUB	14	42.721 0.00108 -0.22334 49 42.721 0.00108 -0.22334 49
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	31 -0.22226 WERE	CHANUTE GENERATION SUB	14	42.721 0.00108 -0.22334 49 42.721 0.00108 -0.22334 49
	t and Maximum Increment were determine from the Souce and Sink Opera			14	72.721 0.00100 -0.22334 49

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 Wichita - Reno Co 345KV

 Limiting Facility:
 EXIDE JUNCTION - SUMMIT 115KV CKT 1

 Direction:
 To⇒From

 Line Outage:
 EAST MCPHERSON - SUMMIT 230KV CKT 1

 Flowgate:
 57368573811568725687312207SH

 Date Redispatch Needed:
 6/1/07 - 10/1/07

Bato Hodiopaton Hoodoa.	6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6, 1, 6			_
			Aggregate	1
			Relief	1
Reservation	Relief Amount		Amount	
1026268	3	4.4	23.7	7
1034234	4	0.9	23.7	
103427	6	1.8	23.7	7
103431	1	2.8	23.7	7
103436	3	1.1	23.7	7
103440	7	1.1	23.7	7
1034420		0.8	23.7	7
1034424	4	1.4	23.7	7
1034589	9	0.5	23.7	7
1034590		1.2	23.7	7
103459	5	4.5	23.7	7
1034628	В	0.5	23.7	7
103693	2	1.3	23.7	7
1037590		0.1	23.7	7
104011	5	1.4	23.7	7
				Ī
				þ
Source Control Area	Source		Source Id	þ
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1		1	T
				-

1040	115 1.4	23.7									
			Maximum		Sink			Maximum			Redispatch
0	0	0	Increment(	005	Control	Ola I.	0:-1-1-1	Decrement(	005	F4	Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31238	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31238	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31238	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31238	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31238	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31238	76
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31238	76
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31238	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.30658	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.30658	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.30658	77
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.30658	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.3046	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.3046	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 5	1	243.7398		-0.2994	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00.00	-0.29878	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 4	1	60		-0.29916	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 5	1	243.7398		-0.2994	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.29878	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01482	-0.2988	79
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29916	79
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.2994	79
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.29878	79
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.29878	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0074	-0.29138	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00764	-0.29162	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.00702	-0.291	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.00702	-0.291	81
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.29286	81
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29176	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.29157	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29176	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28883	82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	CHANUTE GENERATION SUB	14	33.041	0.0011	-0.28508	83
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00019	-0.28379	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28398	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00293	-0.28105	84
<b></b>											

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 2	11	470 0.02062 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02002 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.02062 -0.24299 98
WERE	HUTCHINSON ENERGY CENTER UNIT 4	4	70.99999 -0.22252 WERE 70.99999 -0.22252 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.02062 -0.24314 98
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1			1	
WERE		1	78 -0.22237 WERE 52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 1 JEFFREY ENERGY CENTER UNIT 1	1	470 0.01482 -0.23719 100 470 0.01482 -0.23719 100
	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1			1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 1	1	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01482 -0.23719 100
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01482 -0.23734 100
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.0074 -0.22977 103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.00764 -0.23001 103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00702 -0.22939 103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00702 -0.22939 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.0074 -0.22977 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.00764 -0.23001 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00702 -0.22939 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00702 -0.22939 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.0074 -0.22977 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.00764 -0.23001 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00702 -0.22939 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00702 -0.22939 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.0074 -0.22977 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.00764 -0.23001 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00702 -0.22939 103
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00702 -0.22939 103
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.0074 -0.22992 103
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.00764 -0.23016 103
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.00702 -0.22954 103
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.00702 -0.22954 103
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00019 -0.22218 107
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.22237 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00019 -0.22218 107
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00019 -0.22218 107
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00019 -0.22218 107
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00019 -0.22233 107
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00293 -0.21944 108
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.22237 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00293 -0.21944 108
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.22237 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00293 -0.21944 108
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.22237 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00293 -0.21944 108
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00293 -0.21959 108
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51 -0.29176 WERE	CLAY CENTER JUNCTION	1	9999 -0.10176 -0.19 125
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52 -0.29176 WERE	CLAY CENTER JUNCTION	1	9999 -0.10176 -0.19 125
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50 -0.29176 WERE	CLAY CENTER JUNCTION	1	9999 -0.10176 -0.19 125
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79 -0.28398 WERE	CLAY CENTER JUNCTION	1	9999 -0.10176 -0.18222 130
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999 -0.22252 WERE	CLAY CENTER JUNCTION	1	9999 -0.10176 -0.12076 196
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.22237 WERE	CLAY CENTER JUNCTION	1	9999 -0.10176 -0.12061 197
	t and Maximum Increment were determine from the Souce and Si					0000 0.10170 0.12001 101

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

Wichita - Reno Co 345KV EXIDE JUNCTION - SUMMIT 115KV CKT 1 To->From EAST MCPHERSON - SUMMIT 230KV CKT 1 57368573811568725687312208WP 12/1/2008 - 4/1/2009 Line Outage:

Flowgate:

Date Redispatch Needed:

			Aggregate
			Relief
Reservation	Relief Amount		Amount
10262	68	2.4	13.9
10329	91	0.1	13.9
10329	91	0.1	13.9
10329	92	0.4	13.9
10342	34	0.5	13.9
10342	76	1.0	13.9
10343	11	1.6	13.9
10344	07	0.5	13.9
10344	20	0.4	13.9
10344	24	0.8	13.9
10344	34	0.7	13.9
10345	89	0.3	13.9
10345	90	0.6	13.9
10345	95	2.5	13.9
10346	28	0.3	13.9
10369	32	0.8	13.9
10375		0.1	13.9
10401	15	0.9	13.9
	1		I

1040	J115 U.	9 13.9	3								
			Maximum Increment		Sink Control			Maximum Decrement	,		Redispatch Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			JEFFREY ENERGY CENTER UNIT 1	311K IU	470		-0.30652	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31232	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			JEFFREY ENERGY CENTER UNIT 3		470		-0.31232	
		1	5				1	470			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5.			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.30652	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5.		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31232	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5.			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31232	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1				JEFFREY ENERGY CENTER UNIT 1	1			-0.30652	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31232	2 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 3	1			-0.31232	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.30652	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.31232	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.31232	2 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.30454	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.30454	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			LAWRENCE ENERGY CENTER UNIT 5	1	175.4808		-0.29934	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5:			LAWRENCE ENERGY CENTER UNIT 5	1	175.4808		-0.29934	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808		-0.29934	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0.2000		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.29874	1 4
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			LAWRENCE ENERGY CENTER UNIT 5	1	175.4808		-0.29934	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5		WERE	CHANUTE GENERATION SUB	14	20.589		-0.29279	9 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.29167	WERE	CITY OF WELLINGTON	5	19.519		-0.28998	3 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5		WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.29147	7 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.29167	WERE .	WACO	1	17.414	-0.00266	-0.28901	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.29167	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.29279	9 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.29167	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.28998	3 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.29167	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.29147	7 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.29167	WERE	WACO	1	17.414	-0.00266	-0.28901	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0 -0.29167	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.29279	9 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0 -0.29167	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.28998	3 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0 -0.29167	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.29147	7 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	0 -0.29167	WERE	WACO	1	17.414	-0.00266	-0.28901	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	9 -0.28389	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.29156	6 4
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.29167	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.29279	9 4
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.29167	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.28998	3 4
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.29167	WERE	EVANS ENERGY CENTER UNIT 2	1	55		-0.29147	7 4
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.29167	WERE	WACO	1	17.414	-0.00266	-0.28901	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	9 -0.28389	WERE	CHANUTE GENERATION SUB	14	20.589	0.00112	-0.28501	1 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	9 -0.28389	WERE	CITY OF WELLINGTON	5	19.519	-0.00169	-0.2822	2 4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			EVANS ENERGY CENTER UNIT 2	1	55		-0.28369	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			WACO	1	17.414		-0.28123	3 5
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.24293	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	• • • • • • • • • • • • • • • • • • • •		JEFFREY ENERGY CENTER UNIT 3	1	470		-0.24293	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	5			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.24293	3 5
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	5:			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.24293	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			JEFFREY ENERGY CENTER UNIT 2	li i	470		-0.24293	3 5
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	51			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.24293	
		1.		U.22220	· * L   \ L	OLIVIE : LINE NOT OLIVIER ON TO		770	0.02000	0.27230	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.24293	57
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.2427	57
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.2427	57
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.24308	57
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.24308	57
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23713	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23713	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23713	59
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23713	59
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.2369	59
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.23728	59
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22995	61
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22995	61
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22995	61
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22995	61
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.22972	61
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.2301	61
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22208	63
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22208	63
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22208	63
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22208	63
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22205	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22185	63
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.22223	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.29167	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18995	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.29167	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18995	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.29167	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18995	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.29167	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18995	73
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02065	-0.1816	77
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02065	-0.1816	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28389	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.18217	77
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01485	-0.1758	79
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00767	-0.16862	83
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.16095	WERE	EVANS ENERGY CENTER UNIT 2	1	55	-0.0002	-0.16075	87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22243	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12071	115
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22228	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12056	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22228	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12056	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22228	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12056	116
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22228	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12056	116

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV

Upgrade: Limiting Facility: Direction:

EXIDE JUNCTION - SUMMIT 115KV CKT 1
To->From
EAST MCPHERSON - SUMMIT 230KV CKT 1
57368573811568725687313211WP Line Outage:

Flowgate:

Date Redispatch Needed: 12/1/2011 - 4/1/2012

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1026268	6.9	52.3
1032991	0.3	52.3
1032991	0.4	52.3
1032992	1.0	52.3
1032992	1.2	52.3
1034234	1.5	52.3
1034276	2.9	52.3
1034311	4.7	52.3
1034363	3.0	52.3
1034407	3.0	52.3
1034420	1.4	52.3
1034424	2.3	52.3
1034434	2.2	52.3
1034589	1.0	52.3
1034590	2.6	52.3
1034595	7.4	52.3
1034625	4.6	52.3
1034628	1.0	52.3
1036932	2.2	52.3
1037590	0.2	52.3
1040115	2.4	52.3

1040113	2.4	52.5			0:1-			Manadana			Darding state
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.30449	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.30449	172
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.29869	175
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.00766	-0.29151	180
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.28385	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	-0.00019	-0.28366	185
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24302	215
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24302	215
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02064	-0.24286	216
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02064	-0.24286	216
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23706	221
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01484	-0.23722	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22222	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.00766	-0.22988	3 228
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.00766	-0.23004	
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	-0.00019	-0.22219	236
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.22238	WERE	CLAY CENTER JUNCTION	1	9999	-0.10172	-0.12066	434

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 Wichita - Reno Co 345KV

 Limiting Facility:
 EXIDE JUNCTION - SUMMIT 115KV CKT 1

 Direction:
 To→From

 Line Outage:
 EAST MCPHERSON - SUMMIT 230KV CKT 1

 Flowgate:
 57368573811568725687314206WP

 Date Redispatch Needed:
 12/1/06 - 4/1/07

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1026268	7.0	30.7
1034311	4.7	30.7
1034363	2.9	30.7
1034407	3.2	30.7
1034420	1.7	30.7
1034424	2.9	30.7
1034589	1.1	30.7
1034590	2.6	30.7
1034628	1.1	30.7
1036932	1.7	30.7
1037590	0.2	30.7
1040115	1.8	30.7

1040115	5 1.8	30.7									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285		JEFFREY ENERGY CENTER UNIT 2	1	470			94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.32721	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285		JEFFREY ENERGY CENTER UNIT 1	1	470			96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.32127	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.32127	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585		JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436		96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.32021	96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285		LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003		98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.31255	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.31288	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285		TECUMSEH ENERGY CENTER UNIT 8	1	48			98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.31288	98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285		TECUMSEH ENERGY CENTER UNIT 8	1	48			98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585		JEFFREY ENERGY CENTER UNIT 1	1	470			98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.30588	100
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585		TECUMSEH ENERGY CENTER UNIT 8	1	48			100
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.30285		EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001		101
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.30285	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.30284	101
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.30285		EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.30284	101
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.29585		EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001		104
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863		JEFFREY ENERGY CENTER UNIT 2	1	470			117
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863		JEFFREY ENERGY CENTER UNIT 3	1	470			117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863		JEFFREY ENERGY CENTER UNIT 2	1	470			117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.26299	117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863		JEFFREY ENERGY CENTER UNIT 2	1	470			117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863		JEFFREY ENERGY CENTER UNIT 3	1	470			117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863		JEFFREY ENERGY CENTER UNIT 2	1	470			117
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863		JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436		117
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878		JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.26314	117
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.26314	117

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.25705	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.25705	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.25705	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.25705	119
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.2572	119
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24866	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24866	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24866	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24866	123
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.24881	123
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24833	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24833	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24833	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24833	124
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.0097	-0.24848	124
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.23863	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23862	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.23863	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23862	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.23863	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23862	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.23863	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23862	129
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.23878	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.23877	129
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.02436	-0.18066	170
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.02436	-0.18066	170
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01842	-0.17472	176
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01003	-0.16633	185
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66	-0.1563	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	-0.00001	-0.15629	196

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

Relief Amount

Reservation

Wichita - Reno Co 345KV EXIDE JUNCTION - SUMMIT 115KV CKT 1 To->From NORTHVIEW - SUMMIT 115KV CKT 1 57368673811573715738112211SP 6/1/2011 - 10/1/2011 Line Outage: Flowgate:

Date Redispatch Needed:

1026268	4.	1 11.	7								
1034234	1.										
1034276	1.										
1034434	1.										
1034589	0.										
1034590	0.	4 11.	7								
1034595	2.	4 11.	7								
1034628	0.	2 11.	7								
1037590	0.	2 11.	7								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(		l	Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CLAY CENTER JUNCTION	1	28.7			JEFFREY ENERGY CENTER UNIT 2	1	470			
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403		JEFFREY ENERGY CENTER UNIT 3	1	470		-0.24557	
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403		CHANUTE GENERATION SUB	14	42.259		-0.23381	
		1					14				
WERE	CLAY CENTER JUNCTION	1.	28.7	-0.23403		CITY OF ERIE	1	19		-0.23381	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	CITY OF WELLINGTON	6	19.5		-0.23294	
WERE	CLAY CENTER JUNCTION	11	28.7		WERE	CITY OF WELLINGTON	5	20		-0.23294	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25		-0.23316	
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60		-0.23316	
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403		EVANS ENERGY CENTER UNIT 1	1	120		-0.23316	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	EVANS ENERGY CENTER UNIT 2	1	305		-0.23316	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	GILL ENERGY CENTER UNIT 2	1	27		-0.23265	
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00276	-0.23679	9 50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00124	-0.23279	9 50
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.23279	9 50
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	GILL ENERGY CENTER UNIT 3	1	78		-0.2325	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	GILL ENERGY CENTER UNIT 4	1	77		-0.23245	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21		-0.23252	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.22922	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88		-0.22922	
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	WACO	1	17.972		-0.23252	
		1					1	470		-0.23252	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	!	30	-0.1865		JEFFREY ENERGY CENTER UNIT 2	1,				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.19804	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.18926	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			CHANUTE GENERATION SUB	14	42.259		-0.18628	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			EVANS ENERGY CENTER GAS TURBINE 2	1	25		-0.18563	3 63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30		WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60		-0.18563	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30		WERE	EVANS ENERGY CENTER UNIT 1	1	120		-0.18563	3 63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.1865	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.18563	3 63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.1865	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.00138	-0.18512	2 63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.1865	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.18497	7 63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.1865	WERE	LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00124	-0.18526	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.1865	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.18526	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.18499	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			GILL ENERGY CENTER UNIT 4	1	77		-0.18492	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.18169	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	88		-0.18169	
WERE	CLAY CENTER JUNCTION	1	28.7	-0.23403	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	120		-0.13927	7 84
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.10621	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.10621	
WERE		1					1	470			
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 52			JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	1	470		-0.10621	
		L'			WERE		+			-0.10621	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			JEFFREY ENERGY CENTER UNIT 2	11	470		-0.10621	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.10621	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	11	52		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.10621	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.10621	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 1	1	470			
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.09743	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.09467	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00276	-0.09743	3 121
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.09743	3 121
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			CHANUTE GENERATION SUB	14	42.259		-0.09445	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			CHANUTE GENERATION SUB	14	42.259		-0.09445	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			CHANUTE GENERATION SUB	14	42.259		-0.09445	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52			CHANUTE GENERATION SUB	14	42.259		-0.09445	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	78			EVANS ENERGY CENTER GAS TURBINE 3	1	42.258		-0.09448	
		1					1,				
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	11	78	-0.09467	WEKE	EVANS ENERGY CENTER UNIT 1	11	120	-0.00087	-0.0938	125

Aggregate Relief Amount

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1	WEDE	LIUTAUNIAN ENERGY OFFITER AND TRUBUE 4	70	0.00407145		EVANO ENERGY OFFITER UNIT O	1.	205	0.0000=	0.0000	405
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 60 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 60 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 60 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 50 -0.09467 WERE EVANS ENERGY CENTER UNIT 2 1 305 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 2 1 305 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 2 1 305 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 78 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 78 -0.00467 WERE EVANS ENERGY CENTER UNIT 2 1 305 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.09467 WERE EVANS ENERGY CENTER UNIT 3 1 78 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 4 1 78 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 4 1 78 -0.09467 WERE EVANS ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 78 -0.09467 WERE EVANS ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 4 1	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1				EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.0938	125
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 2 1 305 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 60 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 2 1 305 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 78 -0.09467 WERE EVANS ENERGY CENTER UNIT 3 1 78 -0.0013 -0.0037 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 4 1 78 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.0013 -0.0931 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 4 1 78 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 7 -0.00146 -0.09331 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 4 1 78 -0.09467 WERE EVANS ENERGY CENTER UNIT 5 1 221.21 -0.0015 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 3 1 78 -0.0015 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.0015 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 -0.00150 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -							1				
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 60 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 50 -0.09467 WERE EVANS ENERGY CENTER UNIT 2 1 305 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 60 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER GAS TURBINE 3 1 60 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 1 1 120 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE EVANS ENERGY CENTER UNIT 2 1 305 -0.00087 -0.0938 125 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 4 1 78 -0.09467 WERE EVANS ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.09467 WERE EVANS ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00124 -0.09331 126 WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00154 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 522 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 22121 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 522 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 60 -0.00152 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 522 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 60 -0.00154 -0.09341 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 522 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00154 -0.09341 126 WERE HUTCHINSON ENERGY							1				
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WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         EVANS ENERGY CENTER GAS TURBINE 3         1         60         -0.00087         -0.0938         125           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         EVANS ENERGY CENTER UNIT 1         1         120         -0.00087         -0.0938         125           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.00087         -0.0938         125           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.09134         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         77         -0.00158         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         77         -0.00158         -0.09340         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52		HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -	-0.09467 WE	ERE		1				
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         EVANS ENERGY CENTER UNIT 1         1         120         -0.00087         -0.0938         125           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         52         -0.09467 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.00087         -0.0931         125           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00158         -0.09309         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00124         -0.09331         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00124         -0.09331         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52	WERE		50	-0.09467 WE	ERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087		
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         EVANS ENERGY CENTER UNIT 2         1         305         -0.00087         -0.0938         125           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.00158         -0.09314         125           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00158         -0.09319         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00124         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 4         1         78         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09316         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.00134         -0.0914         -0.00154         -0.093316         126           WERE         HUTC	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -	-0.09467 WE	ERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60	-0.00087	-0.0938	
WERE   HUTCHINSON ENERGY CENTER GAS TRUBINE 4   1   78   0.09467 WERE   GILL ENERGY CENTER UNIT 3   1   78   0.00153   0.09314   126	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.09467 WE	ERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.0938	
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 77 -0.00154 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 60 -0.00124 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00124 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 -0.00158 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 -0.00158 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TUR	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -	-0.09467 WE	ERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.0938	
WERE   HUTCHINSON ENERGY CENTER GAS TRUBINE 4   1   78   0.09467   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   60   0.00124   0.09343   126	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -	-0.09467 WE	ERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.09314	
WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09316         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.00153         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00158         -0.09309         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00124         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         78         -0.00153         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -	-0.09467 WE	ERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.09309	
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 77 -0.00151 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00124 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00124 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00124 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 -0.00158 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 -0.00158 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER G	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -	-0.09467 WE	ERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.09343	
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WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00124 0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 0.00151 0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 0.00153 0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 0.00158 0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 0.00158 0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00124 0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 0.00151 0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 0.00153 0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 0.00153 0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 0.00158 0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 0.00158 0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00124 0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 0.00151 0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 0.00151 0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 0.09467 WERE TECUMSEH ENERGY CENTER UNIT 5 1 221.21 0.00151 0.09366 131 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.00481 0.09886 131 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 50 0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.00481 0.09886 131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -	-0.09467 WE	ERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.09314	
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00124 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 -0.00153 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 -0.00158 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 3 1 77 -0.00158 -0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 -0.00158 -0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 -0.00124 -0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 -0.00151 -0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 -0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 -0.00481 -0.08986 131 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 50 -0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 -0.00481 -0.08986 131 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 -0.00481 -0.08986 131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -	-0.09467 WE	ERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.09309	
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.00153         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00153         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00124         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         78         -0.00151         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         77         -0.00153         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3 <t< td=""><td>WERE</td><td>HUTCHINSON ENERGY CENTER GAS TURBINE 1 1</td><td>52 -</td><td>-0.09467 WE</td><td>ERE</td><td>LAWRENCE ENERGY CENTER UNIT 4</td><td>1</td><td>60</td><td>-0.00124</td><td>-0.09343</td><td>126</td></t<>	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -	-0.09467 WE	ERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.09343	126
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00158         -0.09309         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00144         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09316         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.00153         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.09394         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00158         -0.09394         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -	-0.09467 WE	ERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.09316	
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00124 0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 50 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 0.00151 0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE GILL ENERGY CENTER UNIT 3 1 78 0.00153 0.09314 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 0.00158 0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE GILL ENERGY CENTER UNIT 4 1 77 0.00158 0.09309 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.00144 0.09343 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 0.09467 WERE LAWRENCE ENERGY CENTER UNIT 5 1 221.21 0.00151 0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 78 0.09467 WERE LEWRENCE ENERGY CENTER UNIT 5 1 221.21 0.00151 0.09316 126 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 4 1 78 0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.00481 0.08986 131 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 52 0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.00481 0.08986 131 WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 0.00481 0.08986 131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.09467 WE	ERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.09314	126
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09316         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.00153         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00153         -0.09309         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00124         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 4         1         78         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09346         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1 <td>WERE</td> <td>HUTCHINSON ENERGY CENTER GAS TURBINE 2 1</td> <td>50 -</td> <td>-0.09467 WE</td> <td>ERE</td> <td>GILL ENERGY CENTER UNIT 4</td> <td>1</td> <td>77</td> <td>-0.00158</td> <td>-0.09309</td> <td>126</td>	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -	-0.09467 WE	ERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.09309	126
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 3         1         78         -0.00153         -0.09314         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.0158         -0.09309         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00124         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09318         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         LECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.09467 WE	ERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.09343	
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         0.09467 WERE         GILL ENERGY CENTER UNIT 4         1         77         -0.00158         -0.09309         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00144         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.09316         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -	-0.09467 WE	ERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.09316	126
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         -0.00124         -0.09343         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09316         126           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 4         1         78         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.08986         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.08986         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.08986         131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.09467 WE	ERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00153	-0.09314	
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.09467 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         221.21         -0.00151         -0.09316         126           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.08986         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.09467 WE	ERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00158	-0.09309	126
WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         52         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09896         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09896         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09896         131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.09467 WE	ERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00124	-0.09343	126
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.09886         131           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.09467 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         88         -0.00481         -0.08986         131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.09467 WE	ERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.00151	-0.09316	126
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 -0.00481 -0.08986 131	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.09467 WE	ERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.08986	131
	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.09467 WE	ERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.08986	131
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.09467 WERE TECUMSEH ENERGY CENTER UNIT 8 1 88 -0.00481 -0.08986 131	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.09467 WE	ERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.08986	131
	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.09467 WE	ERE	TECUMSEH ENERGY CENTER UNIT 8	1	88	-0.00481	-0.08986	131

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

Wichita - Reno Co 345KV NORTHVIEW - SUMMIT 115KV CKT 1 To->From EXIDE JUNCTION - SUMMIT 115KV CKT 1 57371573811573685738112206SH Line Outage: Flowgate:

Date Redispatch Needed: 6/1/06 - 10/1/06

Date Redispatch Needed:	6/1/06 - 10/1/06		-								
		Aggregate									
		Relief									
Reservation	Relief Amount	Amount									
1026268	8.8	9.1									
1037590	0.4	9.1									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)		Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.39103	23
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.39103	23
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	CHANUTE GENERATION SUB	14	33.658	0.00012	-0.38174	24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	CITY OF ERIE	1	20	0.00012		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66			CITY OF WELLINGTON	6	19.5	-0.00045		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	CITY OF WELLINGTON	5	20	-0.00045		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	CITY OF WINFIELD	1	11.8	-0.0003	-0.38132	24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.3808	24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.37959	24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	WACO	1	17.964	-0.00074		24
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	66		WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	40	-0.07386		30
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706		JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941		58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706		JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.15647	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.15647	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.15647	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.15647	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.15647	58
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706		JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.15647	58
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.15647	58
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706		CHANUTE GENERATION SUB	14	33.658	0.00012		62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706		EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.14702	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706		GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.14624	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706		CHANUTE GENERATION SUB	14	33.658	0.00012		62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706		EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004		62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706		GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.14624	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			OF WATO TE GENERALITION GOD	14	33.658	0.00012	-0.14718	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004		62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 BPU - CITY OF MCPHERSON STEAM PLANT	1	50 27			GILL ENERGY CENTER UNIT 4	1	77	-0.00082 0.00012	-0.14624	62 62
WERE		1					14	33.658			
WERE WERE	BPU - CITY OF MCPHERSON STEAM PLANT BPU - CITY OF MCPHERSON STEAM PLANT	1	27 27	-0.14706 -0.14706		EVANS ENERGY CENTER UNIT 2 GILL ENERGY CENTER UNIT 4	1	200.5029	-0.00004 -0.00082	-0.14702 -0.14624	62 62
WERE		1		-0.14706		JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00082		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51 51	-0.14706		LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00139	-0.14503	63 63
	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706			4	238.7755	-0.00203		63
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	52			LAWRENCE ENERGY CENTER UNIT 5 JEFFREY ENERGY CENTER UNIT 1	1	470	-0.002		63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706		LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00139	-0.14507	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706		LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.00203	-0.14506	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706		JEFFREY ENERGY CENTER UNIT 1	1	470	-0.002	-0.14567	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.14503	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706		LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.00203	-0.14506	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.14567	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.14503	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706		LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.14506	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706		TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.13948	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14706		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758		66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706		TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758		66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14706		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.13948	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.14706		TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.13948	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.13948	66
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.14706		TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.13948	66
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758		66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941		67
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697		JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.13638	67
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			CHANUTE GENERATION SUB	14	33.658	0.00012		72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004		72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697		GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.12615	72
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 1	1	470			73
<u> </u>						TE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)					

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.12494	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.12497	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00758	-0.11939	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.12697 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00758	-0.11939	77
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08321	110
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00941	-0.08327	110
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00941	-0.08327	110
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738 WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07376	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738 WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07376	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738 WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07376	124
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738 WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07376	124
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386 WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	-0.00004	-0.07382	124
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738 WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07298	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738 WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07298	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738 WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07298	125
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738 WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07298	125
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386 WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00082	-0.07304	125
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07241	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07241	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07241	126
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07241	126
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	-0.00139	-0.07247	126
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07177	127
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.0738 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.0718	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07177	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.0738 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.0718	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07177	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.0738 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.0718	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07177	127
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.0738 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	-0.002	-0.0718	127
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.07386 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00203	-0.07183	127

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 Wichita - Reno Co 345KV

 Limiting Facility:
 NORTHVIEW - SUMMIT 115KV CKT 1

 Direction:
 To->From

 Line Outage:
 EXIDE JUNCTION - SUMMIT 115KV CKT 1

 Flowgate:
 57371573811573685738112211SP

 Date Redispatch Needed:
 6/1/2011 - 10/1/2011

		Aggregate Relief
Reservation	Relief Amount	Amount
1026268	2.1	5.9
1034234	0.5	5.9
1034276	1.1	5.9
1034434	0.8	5.9
1034595	1.2	5.9
1037590	0.1	5.9

103459											
103759	0.1	5.9									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.25128	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.25128	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157	WERE	CHANUTE GENERATION SUB	14	42.259	-0.00035	-0.24122	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157	WERE	CITY OF ERIE	1	19	-0.00035	-0.24122	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		CITY OF WELLINGTON	6	19.5	-0.00091	-0.24066	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		CITY OF WELLINGTON	5	20			2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		CITY OF WINFIELD	1	14.4			2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		EVANS ENERGY CENTER GAS TURBINE 2	1	25		-0.24002	2
WERE	CLAY CENTER JUNCTION	4	28.7	-0.24157		EVANS ENERGY CENTER GAS TURBINE 3	1	60		-0.2407	2
		1					1			-0.2407	
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		EVANS ENERGY CENTER UNIT 1	1	120	-0.00087		2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		EVANS ENERGY CENTER UNIT 2	1	305		-0.2407	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		GILL ENERGY CENTER UNIT 2	1	27			2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		GILL ENERGY CENTER UNIT 3	1	78		-0.24034	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		GILL ENERGY CENTER UNIT 4	1	77			2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00093	-0.2425	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00237	-0.2392	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00236	-0.23921	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	221.21	-0.0027	-0.23887	2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		WACO	1	17.972			2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		TECUMSEH ENERGY CENTER UNIT 7	1	40			2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		TECUMSEH ENERGY CENTER UNIT 8	1	88			2
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		HUTCHINSON ENERGY CENTER UNIT 4	1	120			3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		JEFFREY ENERGY CENTER UNIT 2	1	470			3
WERE		4	30	-0.14257		JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971		3
	BPU - CITY OF MCPHERSON GAS TURBINE 3	1					1.4				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			CHANUTE GENERATION SUB	14	42.259	-0.00035		4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		CITY OF ERIE	1	19			4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		CITY OF WELLINGTON	5	20		-0.14166	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		CITY OF WELLINGTON	6	19.5	-0.00091		4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257	WERE	CITY OF WINFIELD	1	14.4	-0.00075	-0.14182	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257	WERE	EVANS ENERGY CENTER GAS TURBINE 2	1	25	-0.00087	-0.1417	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257	WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60		-0.1417	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257	WERE	EVANS ENERGY CENTER UNIT 1	1	120	-0.00087	-0.1417	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257	WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.00087	-0.1417	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257	WERE	GILL ENERGY CENTER UNIT 2	1	27	-0.00114	-0.14143	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257	WERE	GILL ENERGY CENTER UNIT 3	1	78	-0.00123	-0.14134	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		GILL ENERGY CENTER UNIT 4	1	77			4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.1435	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		WACO	1	17.972	-0.00122		4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		LAWRENCE ENERGY CENTER UNIT 3	1	25	-0.00122	-0.1402	4
	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		LAWRENCE ENERGY CENTER UNIT 4	1	60			
WERE		1					- 1				4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	L'	30	-0.14257		LAWRENCE ENERGY CENTER UNIT 5	-[1	221.21	-0.0027		4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.13636	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30	-0.14257		TECUMSEH ENERGY CENTER UNIT 8	11	88			4
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		BPU - CITY OF MCPHERSON GAS TURBINE 4	1	55			4
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		BPU - CITY OF MCPHERSON GAS TURBINE 1	1	30			5
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157		BPU - CITY OF MCPHERSON GAS TURBINE 2	1	30			5
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24157	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	20	-0.14257	-0.099	5
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.06785	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971		7
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31	-0.06785	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00971	-0.07756	7
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778		JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971		7
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.06778		JEFFREY ENERGY CENTER UNIT 3	1	470			7
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778		JEFFREY ENERGY CENTER UNIT 2	1	470			7
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.06778		JEFFREY ENERGY CENTER UNIT 3	1	470			7
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			JEFFREY ENERGY CENTER UNIT 2	1	470			7
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.06778		JEFFREY ENERGY CENTER UNIT 3	1	470			7
		1					1				
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778		JEFFREY ENERGY CENTER UNIT 2	1	470	0.00971	-0.07749	7
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.06778		JEFFREY ENERGY CENTER UNIT 3	1	470 470	0.00971		7
NERE	HUTCHINSON ENERGY CENTER UNIT 3		31	-0.06769		JEFFREY ENERGY CENTER UNIT 2			0.00971	-0.0774	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WEDE	LILITCHINGON ENERGY CENTER UNIT O	14	24 0.06760 \\(\frac{1}{2}\)	IEEEDEV ENEDOV CENTED LINIT 2	——	470 0 00074 0 0774 70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31 -0.06769 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.00971 -0.0774 76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	30 -0.14257 WERE	HUTCHINSON ENERGY CENTER UNIT 4	<del></del> _	120 -0.06785 -0.07472 78
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.06778 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.00093 -0.06871 85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	11	52 -0.06778 WERE	JEFFREY ENERGY CENTER UNIT 1		470 0.00093 -0.06871 85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.06778 WERE	JEFFREY ENERGY CENTER UNIT 1		470 0.00093 -0.06871 85
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.06778 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.00093 -0.06871 85
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31 -0.06769 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.00093 -0.06862 85
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31 -0.06785 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.00093 -0.06878 85
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.06778 WERE	CHANUTE GENERATION SUB	14	42.259 -0.00035 -0.06743 87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.06778 WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.06778 WERE	EVANS ENERGY CENTER UNIT 1	1	120 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.06778 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.06778 WERE	CHANUTE GENERATION SUB	14	42.259 -0.00035 -0.06743 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.06778 WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.06778 WERE	EVANS ENERGY CENTER UNIT 1	1	120 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.06778 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.06778 WERE	CHANUTE GENERATION SUB	14	42.259 -0.00035 -0.06743 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.06778 WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.06778 WERE	EVANS ENERGY CENTER UNIT 1	1	120 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.06778 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.06778 WERE	CHANUTE GENERATION SUB	14	42.259 -0.00035 -0.06743 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.06778 WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.06778 WERE	EVANS ENERGY CENTER UNIT 1	1	120 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.06778 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00087 -0.06691 87
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31 -0.06769 WERE	CHANUTE GENERATION SUB	14	42.259 -0.00035 -0.06734 87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31 -0.06785 WERE	CHANUTE GENERATION SUB	14	42.259 -0.00035 -0.0675 87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31 -0.06785 WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	60 -0.00087 -0.06698 87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31 -0.06785 WERE	EVANS ENERGY CENTER UNIT 1	1	120 -0.00087 -0.06698 87
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	31 -0.06785 WERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.00087 -0.06698 87
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.06778 WERE	GILL ENERGY CENTER UNIT 3	1	78 -0.00123 -0.06655 88
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78 -0.06778 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00126 -0.06652 88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.06778 WERE	GILL ENERGY CENTER UNIT 3	1	78 -0.00123 -0.06655 88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52 -0.06778 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00126 -0.06652 88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.06778 WERE	GILL ENERGY CENTER UNIT 3	1	78 -0.00123 -0.06655 88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50 -0.06778 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00126 -0.06652 88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52 -0.06778 WERE	GILL ENERGY CENTER UNIT 3	1	78 -0.00123 -0.06655 88
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	11	52 -0.06778 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00126 -0.06652 88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31 -0.06769 WERE	EVANS ENERGY CENTER GAS TURBINE 3	<del>-  </del>	60 -0.00087 -0.06682 88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31 -0.06769 WERE	EVANS ENERGY CENTER UNIT 1	<del>-  </del>	120 -0.00087 -0.06682 88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31 -0.06769 WERE	EVANS ENERGY CENTER UNIT 2	<del>- li</del>	305 -0.00087 -0.06682 88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31 -0.06769 WERE	GILL ENERGY CENTER UNIT 3	<del>-  </del>	78 -0.00123 -0.06646 88
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31 -0.06769 WERE	GILL ENERGY CENTER UNIT 4	<del></del>	77 -0.00126 -0.06643 88
VVLIVL	I TO TO THIS CONTENT OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	_1'	31 -0.00709 WERE	OILL LIVEROT OF MALE OINT 4		11 -0.00120 -0.00043 00

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction:

Reservation

Wichita - Reno Co 345KV NORTHVIEW - SUMMIT 115KV CKT 1 To->From EXIDE JUNCTION - SUMMIT 115KV CKT 1 57371573811573685738112307SH Line Outage: Flowgate:

Relief Amount

6/1/07 - 10/1/07 Date Redispatch Needed:

1026268	0.9	2.1	1								
1034234	0.2	2.1									
1034276	0.4	2.1									
1034595	0.5	2.1									
1037590	0.0	2.1			0:-1-	T		Indendaria I			Dediesetek
			Maximum Increment(		Sink Control			Maximum Decrement(			Redispatch Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965		(10100)
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.37576	5
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369			CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.36584	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	CITY OF ERIE	1	20	-0.00027	-0.36584	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	CITY OF WELLINGTON	5	20	-0.00093	-0.36518	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369		WERE	CITY OF WELLINGTON	6	19.5	-0.00093	-0.36518	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369		WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.0009	-0.36521	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00128	-0.36483	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611		JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.36696	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00242 -0.00276	-0.36369 -0.36335	6
WERE WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611 -0.36611	WERE WERE	LAWRENCE ENERGY CENTER UNIT 5 TECUMSEH ENERGY CENTER UNIT 7	1	241.0436 40	-0.00276	-0.35984	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00627	-0.35984	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369	-0.36611		WACO	1	17.947	-0.00125	-0.36486	6
WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40.03369			HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.06789	-0.29822	7
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.2425	8
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.2513	8
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.2513	8
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.24138	9
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	CITY OF ERIE	1	20	-0.00027	-0.24138	9
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	CITY OF WELLINGTON	5	20	-0.00093	-0.24072	9
WERE WERE	CLAY CENTER JUNCTION CLAY CENTER JUNCTION	1	28.7 28.7	-0.24165 -0.24165	WERE WERE	CITY OF WELLINGTON EVANS ENERGY CENTER UNIT 2	1	19.5 305	-0.00093 -0.0009	-0.24072 -0.24075	9
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0009	-0.24075	9
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	-0.00128	-0.23923	9
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	241.0436	-0.00276	-0.23889	9
WERE	CLAY CENTER JUNCTION	1	28.7		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	-0.00627	-0.23538	9
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	-0.00627	-0.23538	9
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	WACO	1	17.947	-0.00125	-0.2404	9
WERE	CLAY CENTER JUNCTION	1	28.7	-0.24165	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	80.00001	-0.06789	-0.17376	12
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.14234	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	CITY OF ERIE	1	20	-0.00027	-0.14234	14
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51 51		WERE WERE	JEFFREY ENERGY CENTER UNIT 1 JEFFREY ENERGY CENTER UNIT 2	1	470 470	0.00085	-0.14346 -0.15226	14 14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.15226	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.14234	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	CITY OF ERIE	1	20	-0.00027	-0.14234	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.14346	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.14261	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.15226	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.15226	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.14234	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	CITY OF ERIE	1	20	-0.00027	-0.14234	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.14346	14
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50 50		WERE WERE	JEFFREY ENERGY CENTER UNIT 2 JEFFREY ENERGY CENTER UNIT 3	11	470 470	0.00965	-0.15226 -0.15226	14 14
WERE	BPU - CITY OF MCPHERSON GAS TORBINE S  BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	CHANUTE GENERATION SUB	14	33.041	-0.00027	-0.15226	14
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	CITY OF ERIE	1	20	-0.00027	-0.14234	14
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.00085	-0.14346	14
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.00965	-0.15226	14
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.00965	-0.15226	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	CITY OF WELLINGTON	5	20	-0.00093	-0.14168	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	CITY OF WELLINGTON	6	19.5	-0.00093	-0.14168	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	EVANS ENERGY CENTER UNIT 2	1	305	-0.0009	-0.14171	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			GILL ENERGY CENTER UNIT 4	11	77 60	-0.00128	-0.14133	15
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51 51		WERE	LAWRENCE ENERGY CENTER UNIT 4  LAWRENCE ENERGY CENTER UNIT 5	1	241.0436	-0.00242 -0.00276	-0.14019 -0.13985	15 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.14261	WERE	TECUMSEH ENERGY CENTER UNIT 7	11	241.0436	-0.00276	-0.13985	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	TECUMSER ENERGY CENTER UNIT 8	1	68.00001	-0.00627	-0.13634	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			WACO	1	17.947	-0.00125		15
							- 1				

Aggregate Relief

Amount

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.14261 WE	ERE	CITY OF WELLINGTON	5	20 -0.00093 -0.14168 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1		-0.14261 WE		CITY OF WELLINGTON	6	19.5 -0.00093 -0.14168 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.14261 WE	ERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.0009 -0.14171 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.14261 WE	ERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00128 -0.14133 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.14261 WE	ERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 -0.00242 -0.14019 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1		-0.14261 WE		LAWRENCE ENERGY CENTER UNIT 5	1	241.0436 -0.00276 -0.13985 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.14261 WE	ERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 -0.00627 -0.13634 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.14261 WE	ERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 -0.00627 -0.13634 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.14261 WE	ERE	WACO	1	17.947 -0.00125 -0.14136 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	CITY OF WELLINGTON	5	20 -0.00093 -0.14168 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	CITY OF WELLINGTON	6	19.5 -0.00093 -0.14168 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	EVANS ENERGY CENTER UNIT 2	1	305 -0.0009 -0.14171 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00128 -0.14133 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 -0.00242 -0.14019 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	LAWRENCE ENERGY CENTER UNIT 5	1	241.0436 -0.00276 -0.13985 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 -0.00627 -0.13634 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 -0.00627 -0.13634 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.14261 WE	ERE	WACO	1	17.947 -0.00125 -0.14136 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.14261 WE	ERE	CITY OF WELLINGTON	6	19.5 -0.00093 -0.14168 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.14261 WE	ERE	CITY OF WELLINGTON	5	20 -0.00093 -0.14168 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1		-0.14261 WE		EVANS ENERGY CENTER UNIT 2	1	305 -0.0009 -0.14171 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1		-0.14261 WE		GILL ENERGY CENTER UNIT 4	1	77 -0.00128 -0.14133 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1		-0.14261 WE	ERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 -0.00242 -0.14019 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1		-0.14261 WE		LAWRENCE ENERGY CENTER UNIT 5	1	241.0436 -0.00276 -0.13985 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1		-0.14261 WE		TECUMSEH ENERGY CENTER UNIT 7	1	40 -0.00627 -0.13634 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1		-0.14261 WE		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 -0.00627 -0.13634 15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1		-0.14261 WE		WACO	1	17.947 -0.00125 -0.14136 15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		JEFFREY ENERGY CENTER UNIT 2	1	470 0.00965 -0.13239 16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		JEFFREY ENERGY CENTER UNIT 3	1	470 0.00965 -0.13239 16
WERE	ABILENE ENERGY CENTER GAS TURBINE 1 1		-0.36611 WE		CLAY CENTER JUNCTION	1	9999 -0.24165 -0.12446 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		CHANUTE GENERATION SUB	14	33.041 -0.00027 -0.12247 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		CITY OF ERIE	1	20 -0.00027 -0.12247 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		CITY OF WELLINGTON	5	20 -0.00093 -0.12181 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		CITY OF WELLINGTON	6	19.5 -0.00093 -0.12181 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		EVANS ENERGY CENTER UNIT 2	1	305 -0.0009 -0.12184 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		GILL ENERGY CENTER UNIT 4	1	77 -0.00128 -0.12146 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		JEFFREY ENERGY CENTER UNIT 1	1	470 0.00085 -0.12359 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		LAWRENCE ENERGY CENTER UNIT 4	1	60 -0.00242 -0.12032 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		LAWRENCE ENERGY CENTER UNIT 5	1	241.0436 -0.00276 -0.11998 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1		-0.12274 WE		WACO	1	17.947 -0.00125 -0.12149 17
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.12274 WE	ERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 -0.00627 -0.11647 18

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 Wichita - Reno Co 345KV

 Limiting Facility:
 NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1

 Direction:
 From->To

 Line Outage:
 EAST MCPHERSON - SUMMIT 230KV CKT 1

 Flowgate:
 57372573741568725687312206FA

 Date Redispatch Needed:
 10/1/06 - 12/1/06

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1034311	3.4	10.2
1034363	1.6	
1034420	1.1	10.2
1034424	1.9	10.2
1034476	0.1	10.2
1034489	0.1	10.2
1034628	0.7	10.2
1040115	1.4	10.2
Source Control Area	Source	Source Id

1040115	1.4	10.2									
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.65786	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.65786	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53396	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.65786	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.64581	16
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396		ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.65786	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396		JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.56905	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396		LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396		JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396		JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 4		60	0.03651		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.0217		18
		1	52		WERE		-   '	234.4623	0.02273	-0.56016	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1				TECUMSEH ENERGY CENTER UNIT 7	1				18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 1	1	470			18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 2		470			18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262		18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.557	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.55842	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.55842	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396		JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.56905	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396		JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396		JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.57047	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217		18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273	-0.55669	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262	-0.56016	18
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	CITY OF ERIE	1	19.971	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	CITY OF WELLINGTON	5	20	-0.00294	-0.53102	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00077	-0.53473	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.52894	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00542	-0.52854	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53396	WERE	WACO	1	17.957	-0.00479	-0.52917	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53396	WERE	CITY OF ERIE	1	19.971	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CITY OF WELLINGTON	5	20			19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			EVANS ENERGY CENTER UNIT 2	1	305	0.00077		19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.52894	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			GILL ENERGY CENTER UNIT 4	11	77	-0.00542		19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			WACO	Ti Ti	17.957	-0.00479		19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CHANUTE GENERATION SUB	14	26.96	0.00311		19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CITY OF ERIE	1	19.971	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CITY OF WELLINGTON	5	20	-0.00294		19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	1	305	0.00234		19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502		19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			GILL ENERGY CENTER UNIT 4	1	77			19
VVLINE	DI O - OIL LOF MOFFIEROON DAG TURBINE 3	Li .	50	-0.00090	VVENE	OILL LIVENGT CENTER UNIT 4			-0.00342	-0.02004	19

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			WACO	1	17.957	-0.00479		19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0217	-0.54361	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W		LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.02273	-0.54464	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0262	-0.54811	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0262	-0.54811	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396 W	/ERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396 W	/ERE	CITY OF ERIE	1	19.971	0.00311	-0.53707	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396 W	/ERE	CITY OF WELLINGTON	5	20	-0.00294	-0.53102	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396 W		EVANS ENERGY CENTER UNIT 2	1	305	0.00077	-0.53473	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396 W	/ERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.52894	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396 W	/ERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00542	-0.52854	19
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53396 W	/ERE	WACO	1	17.957	-0.00479	-0.52917	19
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42289 W	/ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54679	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42289 W	/ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54679	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42289 W	/ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54679	19
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42289 W	/ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54679	19
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.4227 W	/ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.5466	19
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.4227 W	/ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.5466	19
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.4227 W	/ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.5466	19
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999	-0.42314 W	/ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.1239	-0.54704	19
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	CHANUTE GENERATION SUB	14	26.96	0.00311	-0.52502	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	CITY OF ERIE	1	19.971	0.00311	-0.52502	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	CITY OF WELLINGTON	5	20	-0.00294	-0.51897	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00077	-0.52268	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00502	-0.51689	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00542	-0.51649	20
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52191 W	/ERE	WACO	1	17.957	-0.00479	-0.51712	20
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45798	22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45798	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45798	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45798	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42289 W	/ERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.4594	22
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.4227 W	/ERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45779	22
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.4227 W	/ERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.45921	22
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.4227 W	/ERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03651	-0.45921	22
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.4227 W	/ERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03509	-0.45779	22
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.4227 W	/FRE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03651	-0.45921	22

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV

Upgrade: Limiting Facility: Direction:

 Opgradie:
 Wichita - Reno Co 345KV

 Limiting Facility:
 NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1

 Direction:
 From->To

 Line Outage:
 EAST MCPHERSON - SUMMIT 230KV CKT 1

 Flowgate:
 57372573741568725687312206SH

 Date Redispatch Needed:
 6/1/06 - 10/1/06

		Aggregate Relief
Reservation	Relief Amount	Amount
1034311	9.3	32.1
1034363	5.9	32.1
1034407	6.2	32.1
1034420	2.8	32.1
1034424	5.4	32.1
1034476	0.3	32.1
1034489	0.3	32.1
1034628	2.0	32.1

103462	8 2.0	32.1	1							
100102		02	Maximum		Sink			Maximum		Redispato
			Increment(		Control			Decrement(		Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor (MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351		JEFFREY ENERGY CENTER UNIT 1	1	470		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.57017
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.57017
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.56899
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.57017
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.57017
WERE		1	50		WERE		1	470	0.03548	-0.56899
	BPU - CITY OF MCPHERSON GAS TURBINE 3	1				JEFFREY ENERGY CENTER UNIT 1				
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.57017
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 3	_1	470	0.03666	-0.57017
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351		JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.57017
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.57017
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.55996
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.55996
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.55996
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.55996
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.55996
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.55996
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.55996
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.55996
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.55522
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.55622
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.55522
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.55622
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.55522
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.55622
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147		JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.55695
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.55813
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.55813
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.03000	-0.55522
		1							0.02171	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351		LAWRENCE ENERGY CENTER UNIT 5	1	238.7755		-0.55622
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147		LAWRENCE ENERGY CENTER UNIT 4		60	0.02171	-0.54318
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.54418
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.54792
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.54792
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351		CHANUTE GENERATION SUB	14	33.658	0.00305	-0.53656
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53351		CITY OF ERIE	1	20	0.00305	-0.53656
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.53416
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CHANUTE GENERATION SUB	14	33.658	0.00305	-0.53656
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	CITY OF ERIE	1	20	0.00305	-0.53656
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53351	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.53416
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.53656
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53351	WERE	CITY OF ERIE	1	20	0.00305	-0.53656
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.53416
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351		CHANUTE GENERATION SUB	14	33.658	0.00305	-0.53656
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351		CITY OF ERIE	1	20	0.00305	-0.53656
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.53351	WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.53416
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			GILL ENERGY CENTER UNIT 4	1	77		-0.528
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			GILL ENERGY CENTER UNIT 4	1	77		-0.528
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			GILL ENERGY CENTER UNIT 4	1	77	-0.00551	-0.528
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			CHANUTE GENERATION SUB	14	33.658	0.00305	-0.52452
	BPU - CITY OF MCPHERSON GAS TURBINE 4  BPU - CITY OF MCPHERSON STEAM PLANT	1	27			GILL ENERGY CENTER UNIT 4	14	33.658		-0.52452
WERE		L'					+;			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	!	79			EVANS ENERGY CENTER UNIT 2	-11	200.5029	0.00065	-0.52212
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52147		GILL ENERGY CENTER UNIT 4	1	77	-0.00551	-0.51596
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45795
NERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 2 TE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)	1	470	0.03666	-0.45913

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45795	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45795	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45795	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247 WEF	RE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45913	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228 WEF	RE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45776	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228 WEF	RE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45894	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228 WEF	RE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45894	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273 WEF	RE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03548	-0.45821	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273 WEF	RE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03666	-0.45939	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273 WEF	RE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03666	-0.45939	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247 WEF	RE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44418	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247 WEF	RE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44518	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247 WEF	RE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247 WEF	RE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247 WEF	RE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44418	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247 WEF	RE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44518	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247 WEF	RE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247 WEF	RE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247 WEF	RE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44418	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247 WEF	RE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44518	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247 WEF	RE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42247 WEF	RE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247 WEF	RE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44418	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247 WEF	RE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44518	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247 WEF	RE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42247 WEF	RE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44892	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228 WEF	RE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44399	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228 WEF	RE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44499	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228 WEF	RE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44873	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.42228 WEF	RE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44873	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273 WEF		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.02171	-0.44444	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273 WEF	RE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.02271	-0.44544	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273 WEF	RE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02645	-0.44918	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273 WEF	RE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.02645	-0.44918	72
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.42273 WEF	RE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.42578	75
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247 WEF	RE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.42552	76
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42247 WEF	RE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00065	-0.42312	76
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42247 WEF	RE	CHANUTE GENERATION SUB	14	33.658	0.00305	-0.42552	76

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: Wichita - Reno Co 345KV

NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1

From->To
EAST MCPHERSON - SUMMIT 230KV CKT 1
57372573741568725687312206WP Line Outage: Flowgate:

Date Redispatch Needed: 12/1/06 - 4/1/07

		Aggregate Relief
Reservation	Relief Amount	Amount
1022463	4.7	54.4
1034311	9.5	54.4
1034363	5.0	54.4
1034394	0.2	54.4
1034407	5.9	54.4
1034420	3.1	54.4
1034424	5.4	54.4
1034476	0.3	54.4
1034489	0.3	54.4
1034516	2.6	54.4
1034517	0.8	54.4
1034589	2.0	54.4
1034590	5.1	54.4
1034628	2.0	54.4
1036932	3.7	54.4
1040115	3.9	54.4

1040	115 3.9	54.4	l .								
			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.57046	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53391		JEFFREY ENERGY CENTER UNIT 3	1	470			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 2	1	470			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.57046	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.57046	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.57046	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.56903	3 9
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.56903	3 9
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53391	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.56903	3 96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52187	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.55842	2 9
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52187	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.55842	9
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.53391	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.55667	7 98
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.53391	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.55667	7 9
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.53391	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.55667	7 9
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52187	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.55699	9
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.52187	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.54463	3 10
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45939	11
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45939	11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45939	11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45939	11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45939	11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45939	11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45939	118
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.4231	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03655	-0.45965	11
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.4231	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03655	-0.45965	11
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45796	3 11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45796	3 11
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45796	11:
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42284	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45796	3 11
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.4231	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03512	-0.45822	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.42284	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.4456	12
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.42284	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.4456	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	143.745			
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.42284	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.02276	-0.4456	12
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191			LAWRENCE ENERGY CENTER UNIT 5	1	143,745			

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV

Upgrade: Limiting Facility: Direction:

 upgrade:
 Wichita - Reno Co 345KV

 Limiting Facility:
 NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1

 Direction:
 From->To

 Line Outage:
 EAST MCPHERSON - SUMMIT 230KV CKT 1

 Flowgate:
 57372573741568725687312207FA

 Date Redispatch Needed:
 10/1/07 - 12/1/07

		Aggregate Relief
Reservation		Amount
1032991	0.1	18.9
1032991	0.2	18.9
1032992	0.8	18.9
1032992	0.2	18.9
1034311	3.5	18.9
1034407	0.5	18.9
1034420	0.9	18.9
1034424		18.9
1034476		18.9
1034489		18.9
1034516	0.7	18.9
1034517	0.2	18.9
1034589		18.9
1034590		18.9
1034595		18.9
1034628		18.9
1036931	0.9	18.9
1036932		18.9
1040115	1.8	18.9

1040	J115 I	.8 18.8			0: 1						In
			Maximum	,	Sink			Maximum			Redispatch
0	0	0	Increment		Control	Oi-d	0:-1-1-1	Decrement	005	F4	Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			CLAY CENTER JUNCTION	1	9999		-0.60465	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CLAY CENTER JUNCTION	1	9999		-0.60465	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CLAY CENTER JUNCTION	1	9999		-0.60465	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			CLAY CENTER JUNCTION	1	9999		-0.60465	3′
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			CLAY CENTER JUNCTION	1	9999		-0.59149	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.54907	34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.54907	7 34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.54907	34
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.54907	7 34
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.54907	7 34
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.54785	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	1 -0.51798	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.5372	2 35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			TECUMSEH ENERGY CENTER UNIT 7	1	40		-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	1 -0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	2 -0.51798	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.54785	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	2 -0.51798	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.5372	2 35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	2 -0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	2 -0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.54785	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.5372	2 35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	9 -0.50482	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.53469	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	9 -0.50482	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.53591	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	9 -0.50482	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.53591	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.51798	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.54785	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.51798	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.5372	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.51798	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.54024	35
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	1 -0.51798	WERE	CHANUTE GENERATION SUB	14	42.721	0.00251	-0.52049	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	1 -0.51798	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00045	-0.51843	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	2 -0.51798	WERE	CHANUTE GENERATION SUB	14	42.721	0.00251	-0.52049	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	2 -0.51798	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00045	-0.51843	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	CHANUTE GENERATION SUB	14	42.721	0.00251	-0.52049	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51798	WERE	EVANS ENERGY CENTER UNIT 2	1	165	0.00045	-0.51843	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	243.3058		-0.52404	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	9 -0.50482	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.52708	3 36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			TECUMSEH ENERGY CENTER UNIT 8	1	50.4072		-0.52708	3 30
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			CHANUTE GENERATION SUB	14	42.721		-0.52049	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			EVANS ENERGY CENTER UNIT 2	1	165		-0.51843	36
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			WACO	11	17.946		-0.51367	37
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			WACO	1	17.946		-0.51367	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	50	-0.51798	WEDE	WACO	1	17.946	-0.00431	-0.51367
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.50482		CHANUTE GENERATION SUB	14	42.721	0.00251	-0.50733
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.50482		EVANS ENERGY CENTER UNIT 2	1	165	0.00231	-0.50527
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.51798		WACO	1	17.946	-0.00043	-0.51367
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.50482		WACO	1	17.946	-0.00431	-0.50051
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.39947		CLAY CENTER JUNCTION	1	9999	0.08667	-0.48614
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52		WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48614
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50		WERE	CLAY CENTER JUNCTION	1	9999	0.08667	-0.48614
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.39947		CLAY CENTER JUNCTION	1	9999	0.08667	-0.48614
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.39928		CLAY CENTER JUNCTION	1	9999	0.08667	-0.48595
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.39928		CLAY CENTER JUNCTION	1	9999	0.08667	-0.48595
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.39928		CLAY CENTER JUNCTION	<u> </u>	9999	0.08667	-0.48595
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.39974		CLAY CENTER JUNCTION	1	9999	0.08667	-0.48641
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42934
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.39947		JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43056
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.39947		JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43056
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42934
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.39947		JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43056
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43056
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42934
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.39947		JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43056
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43056
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42934
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.39947		JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43056
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.39947	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43056
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42915
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43037
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43037
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42915
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43037
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43037
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42915
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.39928	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43037
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.39928		JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43037
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.39974	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02987	-0.42961
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.39974	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03109	-0.43083
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.39974		JEFFREY ENERGY CENTER UNIT 3	1	470	0.03109	-0.43083
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.39947	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.41869
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.39947		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42173
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.39947		TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42173
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.41869
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.39947		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42173
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.39947		TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42173
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.41869
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1		-0.39947		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42173
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.39947		TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42173
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.41869
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.39947		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42173
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.39947		TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42173
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.4185
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.39928		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42154
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.39928		TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42154
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.39928		LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01922	-0.4185
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.39928		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.02226	-0.42154
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1		-0.39928		TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.02226	-0.42154

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: Wichita - Reno Co 345KV NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1 From:>To EAST MCPHERSON - SUMMIT 230KV CKT 1 57372573741568725687312207SH

Line Outage: Flowgate: 57372573741568

Date Redispatch Needed: 6/1/07 - 10/1/07

		Aggregate Relief
D		
Reservation		Amount
1032956		28.9
1032994		28.9
1034311	4.7	28.9
1034363	1.6	28.9
1034394	0.1	28.9
1034407	1.8	28.9
1034420	1.3	28.9
1034424	2.2	28.9
1034476	0.1	28.9
1034489	0.1	28.9
1034516	1.1	28.9
1034517	0.3	28.9
1034589	0.8	28.9
1034590	2.0	28.9
1034595	5.1	28.9
1034628	0.8	28.9
1036931	1.0	28.9
1036932	2.2	28.9
1040115	2.3	28.9

WERE BPU_CITYOF MCPHERSON GAS TURBINE 1	104011	5	2.3 28.9	9								
Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   S				Maximum		Sink			Maximum			Redispatch
WERE BPU_CITYOF MCPHERSON GAS TURBINE 1				Increment(		Control						
WERE BPU_CITY OF MCPHERSON GAS TURRINE 2 1 52 0.51796 WERE CLAY CENTER JUNCTION 1 9999 0.0887 - 0.00468 48 WERE BPU_CITY OF MCPHERSON STEAM FLANT 1 27 0.51796 WERE CLAY CENTER JUNCTION 1 9999 0.0887 - 0.00468 48 WERE BPU_CITY OF MCPHERSON CAS TURRINE 4 1 27 0.51796 WERE CLAY CENTER JUNCTION 1 9999 0.0887 - 0.00466 48 WERE BPU_CITY OF MCPHERSON CAS TURRINE 4 1 27 0.5884 WERE CLAY CENTER JUNCTION 1 9999 0.0887 - 0.00466 48 WERE BPU_CITY OF MCPHERSON CAS TURRINE 4 1 27 0.51796 WERE CLAY CENTER JUNCTION 1 9999 0.0887 - 0.00466 48 WERE BPU_CITY OF MCPHERSON GAS TURRINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURRINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURRINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURRINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURRINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURRINE 1 1 51 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 1 1 51 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 1 1 51 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 4 470 0.03113 0.54000 53 WERE BPU_CITY OF MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 2 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 3 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 3 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 3 1 50 0.51796 WERE TECHNISTS TO MCPHERSON GAS TURRINE 3 1 50 0.51796 WERE TECHNISTS TO MCPH	Source Control Area		Source Id	MW)	GSF	Area		Sink Id	MW)	GSF	Factor	(MW)
WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0-51790 WERE CAY CENTER JUNCTION 1 9999 0.0897 - 0.00468 48 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 1 27 0-51790 WERE CAY CENTER JUNCTION 1 9999 0.0897 - 0.00468 49 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 76 0.0504 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 76 0.0504 WERE CAY CENTER JUNCTION 1 1 9999 0.0897 - 0.0546 40 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 0-51790 WERE LEFFREY VERNEY CENTER JUNCTION 1 1 9999 0.0897 - 0.0546 40 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 0-51790 WERE LEFFREY VERNEY CENTER JUNCTION 1 1 9999 0.0897 - 0.0546 40 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 0-51790 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 0-51790 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0-51790 WERE TECUMSEN ENERGY CENTER LINIT 3 1 470 0.0231 - 0.05402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0.5402 - 0	WERE		1				CLAY CENTER JUNCTION	1		0.0867	-0.60466	
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 27 -0.51799 WERE CLAY CENTER JUNCTION 1 9999 0.0867 -0.00466 48 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51799 WERE JEFFREY PERROY CENTER UNIT 1 1 470 0.0299 -0.04787 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51799 WERE JEFFREY PERROY CENTER UNIT 2 1 470 0.0299 -0.04787 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51799 WERE JEFFREY PERROY CENTER UNIT 2 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51799 WERE JEFFREY PERROY CENTER UNIT 2 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.0391 -0.54790 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.0391 -0.54790 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.0391 -0.54790 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.0391 -0.54790 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 52 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51799 WERE JEFFREY PERROY CENTER UNIT 3 1 470 0.03113 -0.54909 53 WE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.60466	48
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 79 0.5049 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE TECUMSEN TO THE UNIT 3 1 470 0.03113 0.54009 53 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.60466	48
WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CI	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	CLAY CENTER JUNCTION	1		0.0867	-0.60466	48
WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.0223 -0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.0223 -0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LEFFEY ENERGY CENTER UNIT 7 1 470 0.0229 -0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LEFFEY ENERGY CENTER UNIT 1 1 470 0.02313 -0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LEFFEY ENERGY CENTER UNIT 2 1 470 0.03113 -0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.5915	j 49
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.54787	53
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE TECUMSEH ENERGY CENTER UNIT 1 1 80.0001 0.0222 -0.54026 53 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.54909	53
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 .0.51796 WERE 1ECLUMSEH ENERGY CENTER UNIT 1 1 470 0.0223 .0.54028 53 .0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 .0.51796 WERE 1EFFREY SHERGY CENTER UNIT 2 1 470 0.03113 .0.54909 53 .0.54908 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 .0.51796 WERE 1EFFREY SHERGY CENTER UNIT 2 1 470 0.03113 .0.54909 53 .0.54908 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 .0.51796 WERE 1EFFREY SHERGY CENTER UNIT 3 1 470 0.03113 .0.54909 53 .0.54908 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 .0.51796 WERE 1EFFREY SHERGY CENTER UNIT 7 1 40 0.0222 .0.549028 53 .0.54908 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 .0.51796 WERE 1ECLUMSEH ENERGY CENTER UNIT 7 1 40 0.0222 .0.549028 53 .0.54908 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE 1ECLUMSEH ENERGY CENTER UNIT 1 1 470 0.03291 .0.54787 53 .0.54796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE 1EFFREY SHERGY CENTER UNIT 2 1 470 0.03113 .0.54909 53 .0.54796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE 1EFFREY SHERGY CENTER UNIT 3 1 470 0.03113 .0.54909 53 .0.54796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE 1EFFREY SHERGY CENTER UNIT 3 1 470 0.03113 .0.54909 53 .0.54796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE 1EFFREY SHERGY CENTER UNIT 3 1 470 0.03113 .0.54909 53 .0.54796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 .0.51796 WERE 1ECLUMSEH ENERGY CENTER UNIT 3 1 470 0.03113 .0.54909 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.54908 .0.5	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.54909	53
WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 _0.51796 WERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.54026	
WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52_051796 WERE LEFFREY ENERGY CENTER UNIT 2 1 470_03113_0549090_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52_051796 WERE TECUMSEH ENERGY CENTER UNIT 1 1 470_03113_0549090_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52_051796 WERE TECUMSEH ENERGY CENTER UNIT 1 1 400_02233_054026_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 52_051796 WERE TECUMSEH ENERGY CENTER UNIT 1 1 470_02233_054026_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_02291_054787_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50_051796 WERE LEFFREY ENERGY CENTER UNIT 3 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50_051796 WERE LEFFREY ENERGY CENTER UNIT 3 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50_051796 WERE LEFFREY ENERGY CENTER UNIT 3 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 470_031113_054900_53 WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27_051796 WERE LEFFREY ENERGY CENTER UNIT 1 1 400_031113_054900_53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51_051796 WERE LEFFREY ENERGY CENTER	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.54026	53
WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU - CITY OF MCPHERSON BY MCRE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.54787	53
WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40, 0.0223 -0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 52 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 50 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 51 -0.51796 WERE BPU-CITY OF MCPHERSON GAS TURBI	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.54909	53
WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 55 0.51798 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51798 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51798 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.02991 0.54787 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51798 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.03113 0.54909 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51798 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.03113 0.54909 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51798 WERE TECUMSEH ENERGY CENTER UNIT 3 1 470 0.03113 0.54909 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51798 WERE TECUMSEH ENERGY CENTER UNIT 1 1 470 0.0223 0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51798 WERE TECUMSEH ENERGY CENTER UNIT 1 1 470 0.0223 0.54026 53 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.51798 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.02391 0.54787 53 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.51798 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.02391 0.54787 53 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.51798 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.03113 0.54909 53 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.51798 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.03113 0.54909 53 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.51798 WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.03113 0.54909 53 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.51798 WERE JEFFREY ENERGY CENTER UNIT 7 1 40 0.0232 0.54026 53 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.51798 WERE JEFFREY ENERGY CENTER UNIT 7 1 40 0.0232 0.54026 53 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 0.51798 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.0232 0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51798 WERE TECUMSEH ENERGY CENTER UNIT 7 1 40 0.02323 0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51798 WERE TECUMSEH ENERGY CENTER UNIT 1 1 470 0.02323 0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 0.51798 WERE LAWRENCE ENERGY CENTER UNIT 1 1 40 0.02323 0.54026 53 WERE BPU-CITY OF MCPHERSON GAS TURBI	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.54909	53
WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.51796 WERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.54026	53
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   50   0.51796 WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.03113   0.54909   53	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.54026	53
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   50   0.51796 WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.0213   0.54026   53	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.54787	53
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   50   -0.51796 WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.0223   -0.54026   53	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.54909	53
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   50   -0.51798   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.0223   -0.54028   53	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.54909	53
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.51796   WERE   BFREY ENERGY CENTER UNIT 2   1   470   0.02991   -0.54767   53	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.54026	
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.51796   WERE   BFREY ENERGY CENTER UNIT 2   1   470   0.02991   -0.54767   53	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.54026	53
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.51796   WERE   LEFFERY CENTER UNIT 3   1   470   0.03113   0.54909   53	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.54787	
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.51796   WERE   LEFFERY CENTER UNIT 3   1   470   0.03113   0.54909   53	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.54909	53
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.51796   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.0223   -0.54026   53	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.54909	53
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.01834 -0.5363 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE JEFREY ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE JEFREY ENERGY CENTER UNIT 1 1 470 0.02991 -0.53471 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE JEFREY ENERGY CENTER UNIT 1 1 470 0.03113 -0.53593 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE JEFREY ENERGY CENTER UNIT 3 1 470 0.03113 -0.53593 54 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.03113 -0.53593 54 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 27 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE CHANUTE GENERATION SUB 14 33.041 0.00255 -0.52051 55 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE CHANUTE GENERATION SUB 14 33.041 0.00255 -0.52051 55 WERE BPU - CIT	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.54026	
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 4 1 60 0.01834 -0.5363 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE JEFREY ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE JEFREY ENERGY CENTER UNIT 1 1 470 0.02991 -0.53471 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE JEFREY ENERGY CENTER UNIT 1 1 470 0.03113 -0.53593 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE JEFREY ENERGY CENTER UNIT 3 1 470 0.03113 -0.53593 54 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 3 1 470 0.03113 -0.53593 54 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 27 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.53722 54 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE CHANUTE GENERATION SUB 14 33.041 0.00255 -0.52051 55 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.51796 WERE CHANUTE GENERATION SUB 14 33.041 0.00255 -0.52051 55 WERE BPU - CIT	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51796	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0223	-0.54026	53
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.51796   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   60   0.01834   -0.5363   54	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE		1	60	0.01834	-0.5363	54
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   -0.51796   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   243.7398   0.01926   -0.53722   54	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.01926	-0.53722	54
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.51796   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   60   0.01834   -0.5363   54	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01834	-0.5363	54
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         0.51736 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.01926         0.53722         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.02919         -0.53471         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.03113         -0.53593         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.03113         -0.53593         54           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         470         0.03113         -0.53593         54           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         LAWRENCE ENERGY CENTER UNIT 3         1         470         0.03113         -0.53593         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.01926	-0.53722	54
Were   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.5048   Were   JEFFREY ENERGY CENTER UNIT 1   1   470   0.02991   -0.53471   54   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.5048   WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.03113   -0.53593   54   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.5048   WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.03113   -0.53593   54   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.51796   WERE   LAWRENCE ENERGY CENTER UNIT 3   1   470   0.03113   -0.5363   54   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.51796   WERE   LAWRENCE ENERGY CENTER UNIT 4   1   60   0.01834   -0.5363   54   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   51   -0.51796   WERE   LAWRENCE ENERGY CENTER UNIT 5   1   243.7398   0.01926   -0.53722   54   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   51   -0.51796   WERE   CHANUTE GENERATION SUB   14   33.041   0.00255   -0.52051   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   -0.51796   WERE   CHANUTE GENERATION SUB   14   33.041   0.00255   -0.52051   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   -0.51796   WERE   CHANUTE GENERATION SUB   14   33.041   0.00255   -0.52051   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   -0.51796   WERE   CHANUTE GENERATION SUB   14   33.041   0.00255   -0.52051   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.51796   WERE   CHANUTE GENERATION SUB   14   33.041   0.00255   -0.52051   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.51796   WERE   CHANUTE GENERATION SUB   14   33.041   0.00255   -0.52051   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.51796   WERE   CHANUTE GENERATION SUB   14   33.041   0.00255   -0.52051   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.51796   WERE   CHANUTE GENERATION SUB   14   33.041   0.00255   -0.52051   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.51796   WERE   CHANUTE GENERA	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01834	-0.5363	54
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.03113         -0.53533         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.03113         -0.53593         54           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.5363         54           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.01926         -0.53722         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51796	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.01926	-0.53722	54
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.5048   WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.03113   -0.53593   54	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02991	-0.53471	54
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.5363         54           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.01926         -0.53722         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.517	WERE		1	79	-0.5048	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.03113	-0.53593	54
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.5363         54           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.01926         -0.53722         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.517	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.03113	-0.53593	
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF RIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WER	WERE		1	27	-0.51796	WERE		1	60	0.01834	-0.5363	54
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF RIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WER	WERE		1	27				1	243.7398			
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.52406         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE		14	33.041	0.00255	-0.52051	55
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.52406         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51796	WERE	CITY OF ERIE	1	20	0.00255	-0.52051	
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF ERIE         1         20         0.00256         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.52314         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.01926         -0.52406         55	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	CHANUTE GENERATION SUB	14	33.041	0.00255	-0.52051	
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CHANUTE GENERATION SUB         14         33.041         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.51796 WERE         CITY OF ERIE         1         20         0.00255         -0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.52406         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.01926         -0.52406         55	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51796	WERE	CITY OF ERIE	1	20	0.00255	-0.52051	55
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         0.51796 WERE         CITY OF ERIE         1         20         0.0255         0.52051         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.52314         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.01926         -0.52406         55	WERE		1	50	-0.51796	WERE	CHANUTE GENERATION SUB	14	33.041	0.00255	-0.52051	
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 4         1         60         0.01834         -0.52314         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.5048 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.7398         0.01926         -0.52406         55	WERE		1	50	-0.51796	WERE		1	20	0.00255	-0.52051	
WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE LAWRENCE ENERGY CENTER UNIT 5 1 243.7398 0.01926 -0.52406 55	WERE		1	79	-0.5048	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01834	-0.52314	
	WERE		1	79	-0.5048	WERE		1	243.7398	0.01926		
	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.5048	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0223	-0.5271	55

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.5048   WERE   TECUMSEH ENERGY CENTER UNIT 8   1   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.51796   WERE   CITY OF ENERGY CENTER UNIT 8   14   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   51   -0.51796   WERE   CITY OF WELLINGTON   6   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   51   -0.51796   WERE   CITY OF WELLINGTON   5   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   51   -0.51796   WERE   EVANS ENERGY CENTER UNIT 2   1   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   51   -0.51796   WERE   EVANS ENERGY CENTER UNIT 2   1   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   1   51   -0.51796   WERE   GILL ENERGY CENTER UNIT 4   1   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   -0.51796   WERE   GILL ENERGY CENTER UNIT 4   1   1   1   1   1   1   1   1   1	68.00001 0.0223 -0.5271 55 33.041 0.00255 -0.52051 55 20 0.00255 -0.52051 55 19.5 -0.00254 -0.51542 55 20 0.00254 -0.51542 55 305 0.0005 -0.51846 56 77 -0.00254 -0.51542 55 19.5 -0.00254 -0.51542 55 20 -0.00254 -0.51542 55
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         CITY OF ERIE         1           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CITY OF WELLINGTON         6           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CITY OF WELLINGTON         5           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         EVANS ENERGY CENTER UNIT 2         1           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         GILL ENERGY CENTER UNIT 4         1	20 0.00255 -0.52051 55 19.5 -0.00254 -0.51542 65 20 -0.00254 -0.51542 55 305 0.0005 -0.51846 56 77 -0.00478 -0.51318 56 19.5 -0.00254 -0.51542 56 20 -0.00254 -0.51542 56
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796         WERE         CITY OF WELLINGTON         6           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796         WERE         CITY OF WELLINGTON         5           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796         WERE         EVANS ENERGY CENTER UNIT 2         1           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796         WERE         GILL ENERGY CENTER UNIT 2         1	19.5 -0.00254 -0.51542 55 20 -0.00254 -0.51542 56 305 0.0005 -0.51846 56 77 -0.00478 -0.51318 55 19.5 -0.00254 -0.51542 56 20 -0.00254 -0.51542 56
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         CITY OF WELLINGTON         5           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         EVANS ENERGY CENTER UNIT 2         1           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         GILL ENERGY CENTER UNIT 4         1	20 -0.00254 -0.51542 56 305 0.0005 -0.51846 56 77 -0.00478 -0.51318 56 19.5 -0.00254 -0.51542 56 20 -0.00254 -0.51542 56
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         EVANS ENERGY CENTER UNIT 2         1           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         -0.51796 WERE         GILL ENERGY CENTER UNIT 4         1	305 0.0005 -0.51846 56 77 -0.00478 -0.51318 56 19.5 -0.00254 -0.51542 56 20 -0.00254 -0.51542 56
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.51796 WERE GILL ENERGY CENTER UNIT 4 1	77 -0.00478 -0.51318 56 19.5 -0.00254 -0.51542 56 20 -0.00254 -0.51542 56
	19.5 -0.00254 -0.51542 56 20 -0.00254 -0.51542 56
	20 -0.00254 -0.51542 56
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF WELLINGTON         6           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.51796 WERE         CITY OF WELLINGTON         5	
WERE	305 0.0005 -0.51846 56
MERE	77 -0.00478 -0.51318 56
WERE	20 -0.00254 -0.51542 56
WERE	19.5 -0.00254 -0.51542 56
WERE	305 0.0005 -0.51846 56
WERE   DPU - CITY OF MCPHERSON GAS TURBINE 3   1   501 -0.51799[WERE   EVAILS ENERGY CENTER UNIT 2   1	77 -0.00478 -0.51318 56
WERE	19.5 -0.00254 -0.51542 56
WERE	20 -0.00254 -0.51542 56
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         EVANS ENERGY CENTER UNIT 2         1           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.51796 WERE         GILL ENERGY CENTER UNIT 4         1	
WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.5048 WERE CITY OF ERIE 1	20 0.00255 -0.50735 57
WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.5048 WERE CITY OF WELLINGTON 5	20 -0.00254 -0.50226 57
WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE CITY OF WELLINGTON 6	19.5 -0.00254 -0.50226 57
WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE EVANS ENERGY CENTER UNIT 2 1	305 0.0005 -0.5053 57
WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.5048 WERE GILL ENERGY CENTER UNIT 4 1	77 -0.00478 -0.50002 58
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.39945 WERE CLAY CENTER JUNCTION 1	9999 0.0867 -0.48615 59
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.39945 WERE CLAY CENTER JUNCTION 1	9999 0.0867 -0.48615 59
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.3994S WERE CLAY CENTER JUNCTION 1	9999 0.0867 -0.48615 59
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.39945 WERE CLAY CENTER JUNCTION 1	9999 0.0867 -0.48615 59
WERE HUTCHINSON ENERGY CENTER UNIT 3 1 31 -0.39926 WERE CLAY CENTER JUNCTION 1	9999 0.0867 -0.48596 59
WERE HUTCHINSON ENERGY CENTER UNIT 4 1 70.99999 -0.39972 WERE CLAY CENTER JUNCTION 1	9999 0.0867 -0.48642 59
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 1 1	470 0.02991 -0.42936 67
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 2 1	470 0.03113 -0.43058 67
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 3 1	470 0.03113 -0.43058 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 1 1	470 0.02991 -0.42936 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 2 1	470 0.03113 -0.43058 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 3 1	470 0.03113 -0.43058 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 1 1	470 0.02991 -0.42936 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 2 1	470 0.03113 -0.43058 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 3 1	470 0.03113 -0.43058 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 1 1	470 0.02991 -0.42936 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.39945 WERE JEFFREY ENERGY CENTER UNIT 2 1	470 0.03113 -0.43058 67
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 3 1 52 -0.3994S WERE JEFFREY ENERGY CENTER UNIT 3 1	470 0.03113 -0.43058 67
WERE HUTCHINSON ENERGY CENTER UNIT 3 1 31 -0.39926 WERE JEFFREY ENERGY CENTER UNIT 1 1	470 0.02991 -0.42917 67
WERE HUTCHINSON ENERGY CENTER UNIT 3 1 31 -0.39926 WERE JEFFREY ENERGY CENTER UNIT 2 1	470 0.03113 -0.43039 67
WERE HUTCHINSON ENERGY CENTER UNIT 3 1 31 -0.39926 WERE JEFFREY ENERGY CENTER UNIT 3 1	470 0.03113 -0.43039 67
WERE HUTCHINSON ENERGY CENTER UNIT 4 1 70.99999 -0.39972 WERE JEFFREY ENERGY CENTER UNIT 1 1	470 0.02991 -0.42963 67
WERE HUTCHINSON ENERGY CENTER UNIT 4 1 70.99999 -0.39972 WERE JEFFREY ENERGY CENTER UNIT 2 1	470 0.03113 -0.43085 67
WERE HUTCHINSON ENERGY CENTER UNIT 4 1 70.99999 -0.39972 WERE JEFFREY ENERGY CENTER UNIT 3 1	470 0.03113 -0.43085 67
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.39945 WERE TECUMSEH ENERGY CENTER UNIT 7 1	40 0.0223 -0.42175 68
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.39945 WERE TECUMSEH ENERGY CENTER UNIT 8 1	68.00001 0.0223 -0.42175 68
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.39945 WERE TECUMSEH ENERGY CENTER UNIT 7 1	40 0.0223 -0.42175 68
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 1 1 52 -0.39945 WERE TECUMSEH ENERGY CENTER UNIT 8 1	68.00001 0.0223 -0.42175 68
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.39945 WERE TECUMSEH ENERGY CENTER UNIT 7 1	40 0.0223 -0.42175 68
WERE HUTCHINSON ENERGY CENTER GAS TURBINE 2 1 50 -0.39945 WERE TECUMSEH ENERGY CENTER UNIT 8 1  Manipump December 1997 Manipump Legendre Under Schaffen eine Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Manipump December 1997 Man	68.00001 0.0223 -0.42175 68

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV

Upgrade: Limiting Facility: Direction: WICHITA - Reno Co 345KV
NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1
From->To
EAST MCPHERSON - SUMMIT 230KV CKT 1
57372573741568725687312208WP
12/1/2008 - 4/1/2009

Line Outage: Flowgate:

Date Redispatch Needed:

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032991	0.2	40.2
1032991	0.3	40.2
1032992	1.4	40.2
1032992	0.3	40.2
1032994	0.8	40.2
1034311	5.5	40.2
1034363	1.5	40.2
1034407	2.0	40.2
1034420	1.5	40.2
1034424	2.6	40.2
1034443	5.4	40.2
1034476	0.2	40.2
1034489	0.2	40.2
1034516	1.1	40.2
1034517	0.3	40.2
1034589	0.9	40.2
1034590	2.3	40.2
1034595	5.9	40.2
1034628	0.9	40.2
1036931	1.4	40.2
1036932	2.7	40.2
1040115	2.9	40.2

			Maximum		Sink			Maximum			Redispatch
			Increment(		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id		GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			CLAY CENTER JUNCTION	1	9999		-0.60451	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CLAY CENTER JUNCTION	1	9999		-0.60451	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783		CLAY CENTER JUNCTION	1	9999		-0.60451	66
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783		CLAY CENTER JUNCTION	1	9999		-0.60451	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466		CLAY CENTER JUNCTION	1	9999		-0.59134	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.54768	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783		JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783		JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.54768	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783		JEFFREY ENERGY CENTER UNIT 2	1	470		-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783		JEFFREY ENERGY CENTER UNIT 1	1	470		-0.54768	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.54768	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.54893	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.54893	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.53708	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.53708	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.53708	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.53451	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.53576	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.53576	75
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.53708	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.52391	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.51783	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.51828	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.51783	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.51828	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.51783	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.51828	78
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.51783	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.51828	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50466	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.50511	80
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48599	83
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48599	83
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48599	83
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48599	83
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39892	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.4856	83
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.48625	83
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43041	93

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43041	93
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39892	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43002	93
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.39892	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43002	93
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43067	93
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43067	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42916	94
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42916	94
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42916	94
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42916	94
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02985	-0.42942	94
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41856	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41856	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41856	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41856	96
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.01925	-0.41882	96
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39957	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.40002	100
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39931	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.39976	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.39931	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.39976	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.39931	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.39976	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.39931	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00045	-0.39976	101
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.00045	WERE	CLAY CENTER JUNCTION	1	9999	0.08668	-0.08623	466

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV

NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1

Upgrade: Limiting Facility: Direction:

From->To
EAST MCPHERSON - SUMMIT 230KV CKT 1
57372573741568725687313211WP Line Outage: Flowgate:

Date Redispatch Needed: 12/1/2011 - 4/1/2012

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1022468		103.1
1032991		103.1
1032991		103.1
1032992		
1032992		103.1
1032994	1.7	103.1
1032994		103.1
1034311	9.3	103.1
1034363	5.3	103.1
1034407	5.5	103.1
1034420	2.8	103.1
1034424		103.1
1034443	9.5	103.1
1034444	9.5	103.1
1034476	0.4	103.1
1034489	0.4	103.1
1034516	1.9	103.1
1034517	0.6	103.1
1034589	2.0	103.1
1034590	5.0	103.1
1034595	10.1	103.1
1034625	9.2	103.1
1034628	2.0	103.1
1036931	2.1	103.1
1036932	4.4	103.1
1040115	4.7	103.1

4.7	103.1									
		Maximum	1	Sink			Maximum			Redispatch
		Increment(		Control			Decrement(			Amount
Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.59126	174
BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02984	-0.5344	193
BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.53566	193
BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.53566	193
BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01922	-0.52378	197
BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.50456	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00049	-0.50505	204
HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.39919	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48589	212
HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	CLAY CENTER JUNCTION	1	9999	0.0867	-0.48615	212
HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.02984	-0.42929	240
HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.0311	-0.43055	240
HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.0311	-0.43055	240
HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01922	-0.41867	246
HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.39945	WERE	EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00049	-0.39994	258
	Source BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON GAS TURBINE 4 HUTCHINSON ENERGY CENTER GAS TRUBINE 4 HUTCHINSON ENERGY CENTER UNIT 4 HUTCHINSON ENERGY CENTER UNIT 4 HUTCHINSON ENERGY CENTER UNIT 4 HUTCHINSON ENERGY CENTER UNIT 4 HUTCHINSON ENERGY CENTER UNIT 4 HUTCHINSON ENERGY CENTER UNIT 4 HUTCHINSON ENERGY CENTER UNIT 4 HUTCHINSON ENERGY CENTER UNIT 4	Source Source Id BPU - CITY OF MCPHERSON GAS TURBINE 4 1 BPU - CITY OF MCPHERSON GAS TURBINE 4 1 BPU - CITY OF MCPHERSON GAS TURBINE 4 1 BPU - CITY OF MCPHERSON GAS TURBINE 4 1 BPU - CITY OF MCPHERSON GAS TURBINE 4 1 BPU - CITY OF MCPHERSON GAS TURBINE 4 1 BPU - CITY OF MCPHERSON GAS TURBINE 4 1 HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1 HUTCHINSON ENERGY CENTER UNIT 4 1	Maximum   Increment(  MW)	Maximum   Increment(	Maximum   Increment(	Maximum   Control	Maximum   Increment(   Source   MW)   Sink   Control   Source   Source   MW    Sink   Gost   Area   Sink   Sink   Sink   Increment(   Source   MW)   Sink   Maximum   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Sink   Si	Maximum   Increment(   Source   Id   MW)   Sink   Control   Control   MW)   GSF   Area   Sink   Sink   Id   MW)   Sink   Id   MW)   Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   MW    Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id   Sink   Id	Maximum   Increment(   Source   Id   MW)   GSF   Area   Sink   Sink   Sink   MW)   GSF	Maximum   Increment(   Source   MW)   SSF   Area   Sink   Sink   Maximum   Decrement(   Source   MW)   GSF   Area   Sink   Sink   MW)   GSF   Factor   Source   MW    GSF   Area   Sink   Sink   MW    GSF   Factor   Source   MW    GSF   Factor   Source   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Factor   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   MW    GSF   Sink   M

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF Redispatch Amount = Relief Amount / Factor

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Wichita - Reno Co 345KV

Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1

BPU - CITY OF MCPHERSON GAS TURBINE 4

BPU - CITY OF MCPHERSON GAS TURBINE 4

BPU - CITY OF MCPHERSON STEAM PLANT

BPU - CITY OF MCPHERSON STEAM PLANT

HUTCHINSON ENERGY CENTER LINIT 1

HUTCHINSON ENERGY CENTER UNIT 2

HUTCHINSON ENERGY CENTER UNIT 3

HUTCHINSON ENERGY CENTER UNIT 4

BPU - CITY OF MCPHERSON GAS TURBINE 1

BPU - CITY OF MCPHERSON GAS TURBINE 1

HUTCHINSON ENERGY CENTER GAS TRUBINE 4

HUTCHINSON ENERGY CENTER GAS TURBINE 1

HUTCHINSON ENERGY CENTER GAS TURBINE 2

HUTCHINSON ENERGY CENTER GAS TURBINE 3

Aggregate Relief

Amount

From->To Direction:

Reservation

WERE

WERE

WERE

WERE WERE

WERE

WERE

WERE

WERE WERE

WERE

WERE

WERE

WERE

Line Outage EAST MCPHERSON - SUMMIT 230KV CKT 1 57374574381568725687312206FA Flowgate:

Relief Amount

10/1/06 - 12/1/06 Date Redispatch Needed:

Reservation	Relief Amount	Amount									
1034311	3.4	10.1	1								
1034363	1.6	10.1	1								
1034420	1.	10.1	1								
1034424	1.9	10.1	1								
1034628	0.7	10.1	1								
1040115	1.4	10.1	1								
			Maximum		Sink			Maximum			Redispatch
			Increment	1	Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762		33
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40			33
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05762	-0.30593	33
VERE	BPU - CITY OF MCPHERSON STEAM PLANT	i	27		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40			33
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40		-0.30033	34
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470			38
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470			38
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470			38
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470			38
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 2	+	470	0.01698	-0.26529	38
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470			
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 1	1	470			38
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470			38
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.26529	
/ERE		1					1				
	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632		38
VERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470			38
VERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.26529	38
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60			39
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057		39
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40			
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218	-0.26049	
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60		-0.2584	39
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057		39
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40			
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218		
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01009	-0.2584	39
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057		39
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	****		
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218		
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.25903	39
/ERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.25969	
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.25969	39
VERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01009	-0.2584	39
VERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057	-0.25888	39
/ERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01218	-0.26049	39
/ERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01218	-0.26049	39
/ERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	CHANUTE GENERATION SUB	14	26.96	0.00144	-0.24975	40
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	CITY OF ERIE	1	19.971	0.00144	-0.24975	40
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	CHANUTE GENERATION SUB	14	26.96	0.00144	-0.24975	
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	CITY OF ERIE	1	19.971	0.00144		
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	CHANUTE GENERATION SUB	14	26.96	0.00144		
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	CITY OF ERIE	11	19.971	0.00144		
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01009	-0.2528	40
VERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01057		40
VEDE	DDU OITY OF MODUEDOON OAD TUDDING A	-	+ + + + + + + + + + + + + + + + + + + +	0.04074	WEDE	TEOUMOEU ENERGY OFNITED UNIT 7	+,	40	0.04040	0.05400	1 10

-0.24271 WERE

-0.24271 WERE

-0.24831 WERE

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-0.19666 WERE

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-0.19657 WERE

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-0.19657 WERE

70.99999

51

51

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

-0.19677 WERE ABILENE ENERGY CENTER GAS TURBINE 1

TECUMSEH ENERGY CENTER UNIT 7

TECUMSEH ENERGY CENTER UNIT 8

ABILENE ENERGY CENTER GAS TURBINE 1

ABILENE ENERGY CENTER GAS TURBINE 1

ABILENE ENERGY CENTER GAS TURBINE 1

ABILENE ENERGY CENTER GAS TURBINE 1

ABILENE ENERGY CENTER GAS TURBINE 1

ABILENE ENERGY CENTER GAS TURBINE 1

ABILENE ENERGY CENTER GAS TURBINE 1

CHANUTE GENERATION SUB

CITY OF FRIE

-0.24831 WERE EVANS ENERGY CENTER UNIT 2

-0.24831 WERE CITY OF WELLINGTON

0.0121

0.01218

0.00144

0.00144

0.05762

0.05762

0.05762

0.05762

0.05762

0.05762

0.05762

305 0.00036 -0.24867

26.96

40 0.05762

40

20 -0.00137

19.971

14

-0.25489

-0.25489

-0.24975

-0 24975

-0.25428

-0.25428

-0.25428

-0.25428

-0 25419

-0.25419

-0.25419

-0.25439

-0 24694

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41

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831		GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24597	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831		GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24579	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24831	WERE	WACO	1	17.957	-0.00223	-0.24608	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24694	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831		EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24867	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24597	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24579	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24831	WERE	WACO	1	17.957	-0.00223	-0.24608	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24694	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24867	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24597	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24579	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24831	WERE	WACO	1	17.957	-0.00223	-0.24608	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	CHANUTE GENERATION SUB	14	26.96	0.00144	-0.24415	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	CITY OF ERIE	1	19.971	0.00144	-0.24415	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24694	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24867	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24597	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24579	41
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24831	WERE	WACO	1	17.957	-0.00223	-0.24608	41
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	CITY OF WELLINGTON	5	20	-0.00137	-0.24134	42
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00036	-0.24307	42
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00234	-0.24037	42
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00252	-0.24019	42
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24271	WERE	WACO	1	17.957	-0.00223	-0.24048	42
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21298	47
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21298	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21298	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21298	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19666	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21364	47
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21289	47
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21355	47
WERE	HUTCHINSON ENERGY CENTER UNIT 1	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01698	-0.21355	47
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01632	-0.21289	47
WERE	HUTCHINSON ENERGY CENTER UNIT 2	1	18	-0.19657	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01698	-0.21355	47
						•					

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Wichita - Reno Co 345KV

NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1

Direction:

From->To
EAST MCPHERSON - SUMMIT 230KV CKT 1 Line Outage: 57374574381568725687312206WP Flowgate:

Date Redispatch Needed: 12/1/06 - 4/1/07

Bato Hodiopaton Hodaca.	12,000 000		
			Aggregate
			Relief
Reservation	Relief Amount		Amount
103431	1	4.4	21.2
103436	3	2.3	21.2
103440	7	2.8	21.2
103442	0	1.4	21.2
103442	4	2.5	21.2
103458	9	0.9	21.2
103459	0	2.4	21.2
103462	8	0.9	21.2
103693	2	1.7	21.2
104011	5	1.8	21.2

1040	115 1.	8 21.2	Maximum Increment(		Sink Control			Maximum Decrement			Redispatch Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.26462	2 8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.26529	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.26529	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.26462	2 8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.26529	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.26529	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.26462	2 8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.26529	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.26529	8
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.26462	2 8
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.26529	8
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24829	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.26529	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24269	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.25969	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24269	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.25969	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24829	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.25888	8:
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24829	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.25888	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24829	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.25888	8
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24269	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.25902	2 8:
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.24269	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.25328	8
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21296	9
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21363	3 9
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21363	9
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21296	9
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21363	9
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21363	9:
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21296	9
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21363	9
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21363	9:
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21296	9
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21363	9
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19663	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21363	9
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.19675	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01633	-0.21308	9
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.19675	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.017	-0.21375	9
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.19675	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.017	-0.21375	9
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.19663	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20722	10:
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.19663	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20722	10:
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.19663	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20722	10:
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.19663	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20722	2 10
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	191	-0.19675	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	143.745	0.01059	-0.20734	10

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

 Upgrade:
 Wichita - Reno Co 345KV

 Limiting Facility:
 NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1

 Direction:
 From->To

 Line Outage:
 EAST MCPHERSON - SUMMIT 230KV CKT 1

 Flowgate:
 57374574381568725687312207FA

 Date Redispatch Needed:
 10/1/07 - 12/1/07

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032991	0.1	13.5
1032991	0.2	13.5
1032992	0.7	13.5
1034311	3.1	13.5
1034424	1.4	13.5
1034589	0.4	13.5
1034590		13.5
1034595	3.3	13.5
1034628	0.4	13.5
1036932		13.5
1040115	1.6	13.5

SOURCE CORDINATION   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE   SOURCE	1040115	1.6	13.5									
Source   Miny   CSF   Area   No.   Source   Miny   CSF   Area   No.   No.   Miny   CSF   February   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Miny   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   CSF   Part   Miny   Miny   CSF   Part   Miny   Miny   CSF   Part   Miny   Miny   CSF   Part   Miny   Miny   CSF   Part   Miny   Miny   CSF   Part   Miny   Miny   CSF   Part   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny   Miny				Maximum		Sink			Maximum			Redispatch
WERE 8PU-CITY OF MOPHERSON GAS TURBINE 1 51 0.2469/WERE 6PU-CITY OF MOPHERSON GAS TURBINE 2 1 52 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 52 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 59 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 59 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 59 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 52 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TURBINE 2 1 50 0.2469/WERE 8PU-CITY OF MOPHERSON GAS TUR				Increment(		Control			Decrement(			Amount
WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 2.4668/WERE CLAY CENTER JUNCTION 1 9696 0.04031 0.28119 44 WERE BPU_CITY OF MCPHERSON STRUMBURS 1 1 50 0.24668/WERE CLAY CENTER JUNCTION 1 6996 0.04031 0.28119 44 WERE BPU_CITY OF MCPHERSON STRUMBURS 1 1 50 0.24668/WERE CLAY CENTER JUNCTION 1 6996 0.04031 0.28119 44 WERE BPU_CITY OF MCPHERSON STRUMBURS 1 1 51 0.24668/WERE CLAY CENTER JUNCTION 1 6996 0.04031 0.28119 44 WERE BPU_CITY OF MCPHERSON STRUMBURS 1 1 51 0.24668/WERE CLAY CENTER JUNCTION 1 6996 0.04031 0.28119 44 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 0.24668/WERE CLAY CENTER JUNCTION 1 1 670 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 2 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 2 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 2 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 2 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 2 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 2 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 2 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 1 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 1 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 1 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 1 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.24668/WERE LEFFREY VENEROY CENTER JUNCTI 1 1 470 0.01446 0.25534 53 WERE BPU_CITY OF MCPHERSON	Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
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WERE BPU_CITY OF MOPHERSON GAS TURBINE 3 1 50 2.6668WREE CLAY CENTER JUNCTION 1 9696 0.04031 0.20119 48 WERE BPU_CITY OF MOPHERSON GAS TURBINE 4 1 79 0.22478WREE CLAY CENTER JUNCTION 1 9696 0.04031 0.20199 48 WERE BPU_CITY OF MOPHERSON GAS TURBINE 1 1 51 0.24668WREE CLAY CENTER JUNCTION 1 9696 0.04031 0.20199 48 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 2 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 2 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 477 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 470 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 470 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 1 1 51 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 470 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 1 1 51 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 470 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBINE 1 1 51 0.24668WREE EFFERTY ENERGY CENTER JUNCT 3 1 470 0.01446 0.25534 50 WERE BPU_CITY OF MOPHERSON GAS TURBIN	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24088	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28119	
WERE BPU_CITY OF MCHERSON STEAM PLANT 1 27 0.24989 WERE CLAY CENTER JUNCTION 1 9699 0.04031 0.25917 49 WERE BPU_CITY OF MCHERSON GAS TURBINE 1 1 79 0.24989 WERE CLAY CENTER JUNCTION 1 9699 0.04031 0.25917 49 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 1 51 0.24089 WERE CLAY CENTER JUNCTION 1 1 470 0.01380 0.22477 35 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 1 52 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CITY OF MCHERSON GAS TURBINE 2 1 5 0.24089 WERE BPU_CI	WERE		1		-0.24088	WERE		1	9999	0.04031	-0.28119	
WERE BPL CITY OF MOPHERSON GAS TURBINE 1 1 79 0.22478/WERE LEAVE CENTER JUNCTION 1 1 470 0.01584 0.24577 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 1 1 51 0.24688/WERE JEFFREY BNERGY CENTER LUNT 2 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 2 1 51 0.24688/WERE JEFFREY BNERGY CENTER LUNT 2 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 2 1 52 0.24688/WERE JEFFREY BNERGY CENTER LUNT 2 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 2 1 52 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 3 1 50 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 3 1 20 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 3 1 20 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 3 1 22 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 1 1 27 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE BPL CITY OF MOPHERSON GAS TURBINE 1 1 27 0.24688/WERE JEFFREY BNERGY CENTER LUNT 3 1 470 0.01546 0.25534 53 WERE JPL CITY OF MOPHERSON GAS TURBINE 1 1 27 0.24688/WERE JPL CITY OF MOPHERSON GAS TURBINE 1 1 27 0.24688/WERE JPL CITY OF MOPHERSON GAS TURBINE 1 1 27 0.24688/WERE JPL CITY OF MOPHERSON GAS TURBINE 1 1 27 0.24688/WERE JPL CITY OF MOPHERSON GAS TURBINE 1 1 27 0.24688/WERE JPL CITY OF MOPHERSON GAS TURBINE 1 1 27 0.24688/WERE JPL CITY OF MOPHERSON GAS TURBINE 2 1 2 0.24688/WERE JPL CITY OF MOPHERSON GAS TURBINE 3 1 2 0.24688/WERE JPL CITY OF MOPHERSON GAS TURBINE			1					1				
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WERE   SPU_CITY OF MCPHERSON GAS TURBINE 4   1   79   0.23476 WERE   SPECITER UNIT 2   1   470   0.01446   0.24922   54			1					1				
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.2476   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.2408   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.2408   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.2408   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.2408   WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.2408   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.23476   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.23476   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.23476   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.23476   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   51   0.24088   WERE   EVANS ENERGY CENTER UNIT 8   1   50.4072   0.01035   0.24511   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   51   0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   0.24205   56   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   0.24109   56   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   0.24109   56   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   0.24109   56   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   52   0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   0.24109   56   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   0.24109   56   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   0.24109   56   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   0.24109   56   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.24376   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.24376   WERE   BPU - CITY OF MCPHERSON GA			1					11				
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         0.24088 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.058         0.00894         -0.24982         54           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.24088 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.01035         -0.25123         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.01035         -0.25113         54           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         TECUMSEH ENERGY CENTER UNIT 7         1         40         0.01035         -0.24511         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         9.24088 WERE         CELOMSEH ENERGY CENTER UNIT 7         1         40         0.01035         -0.24511         55           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 1         1         51         9.24088 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         0.24205         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1			1					1				54
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.24088 WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.01035   0.25123   54			1					1				
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.24088   WERE   TECUMSEH ENREGY CENTER UNIT 8   1   50.4072   0.1035   -0.25123   54			1					1				
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.23476   WERE   TECUMSEH ENERGY CENTER UNIT 7   1   40   0.01035   -0.24511   55			1					1				
WERE         BPU- CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         TECUMSEH ENERGY CENTER UNIT 8         1         50.4072 (0.01035 -0.24511 -0.555 -0.24088 WERE         55           WERE         BPU- CITY OF MCPHERSON GAS TURBINE 1         1         51 -0.24088 WERE         CHANUTE GENERATION SUB         14 42.721 0.00117 -0.24205 56         56           WERE         BPU- CITY OF MCPHERSON GAS TURBINE 2         1         52 -0.24088 WERE         CHANUTE GENERATION SUB         14 42.721 0.00117 -0.24205 56         56           WERE         BPU- CITY OF MCPHERSON GAS TURBINE 2         1         52 -0.24088 WERE         CHANUTE GENERATION SUB         14 42.721 0.00117 -0.24205 56         56           WERE         BPU- CITY OF MCPHERSON GAS TURBINE 3         1         50 -0.24088 WERE         CHANUTE GENERATION SUB         14 42.721 0.00117 -0.24205 56         56           WERE         BPU- CITY OF MCPHERSON GAS TURBINE 3         1         50 -0.24088 WERE         CHANUTE GENERATION SUB         14 42.721 0.00117 -0.24205 56         56           WERE         BPU- CITY OF MCPHERSON GAS TURBINE 4         1         79 -0.24088 WERE         CHANUTE GENERATION SUB         14 42.721 0.00117 -0.24205 56         56           WERE         BPU- CITY OF MCPHERSON STEAM PLANT         1         79 -0.23476 WERE         EVANS ENBERGY CENTER UNIT 2         1 165			1					1				
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   51 -0.24088   WERE   CHANUTE GENERATION SUB   14   42.721   0.00117   -0.24205   56			1					1				55
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 1   51 -0.24088   WERE   EVANS ENERGY CENTER UNIT 2   1   165   0.00021   -0.24109   56			1					1				
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.24088 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         -0.24205         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00017         -0.24205         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         79         -0.23476 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.3058         0.00094         -0.2437         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         27         -0.24088 WERE         LAWRENCE ENERGY CENTER UNIT 2         1         165         0.00021         -0.2437         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1			1					14				
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 2         1         52         0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.0021         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.24088 WERE         CHANUTE GENERATION SUB         14         42.721         0.00011         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.3058         0.0089         -0.2437         56           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.24088 WERE         CHANUTE GENERATION SUB         14         42.721         0.00011         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.00011         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1 <th< td=""><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></th<>			1					1				
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.24088 WERE   CHANUTE GENERATION SUB   14   42.721   0.00117   -0.24205   56			1					14				56
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 3         1         50         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.24768 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.0358         0.00894         -0.2437         56           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.24376         56           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.00017         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.00017         -0.23497         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1 <t< td=""><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></t<>			1					1				
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         LAWRENCE ENERGY CENTER UNIT 5         1         243.3058         0.00894         -0.2437         56           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.24088 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         -0.23593         57           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         -0.23593         57           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         -0.23593         57           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 4         1         78         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1 <td< td=""><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>14</td><td></td><td></td><td></td><td></td></td<>			1					14				
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.24088 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         -0.24205         56           WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.23497         58           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52			1					1				
WERE         BPU - CITY OF MCPHERSON STEAM PLANT         1         27         -0.24088 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.24109         56           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         -0.23497         58           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.00117         -0.23497         58           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 4         1         78         -0.18577         WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.26008         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         50         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         <			1					1				
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.0017         -0.23593         57           WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         CHANUTE GENERATION SUB         14         42.721         0.0017         -0.23593         57           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 4         1         78         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         31         -0.18			1					14				
WERE         BPU - CITY OF MCPHERSON GAS TURBINE 4         1         79         -0.23476 WERE         EVANS ENERGY CENTER UNIT 2         1         165         0.00021         -0.23497         58           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         31         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         31         -0.18568 WERE<			1					1				
WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999 0.04031 -0.22608 60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         52         -0.18577 WERE CLAY CENTER JUNCTION         1         9999 0.04031 -0.22608 60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.18577 WERE CLAY CENTER JUNCTION         1         9999 0.04031 -0.22608 60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.18577 WERE CLAY CENTER JUNCTION         1         9999 0.04031 -0.22608 60           WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         31 -0.18568 WERE CLAY CENTER JUNCTION         1         9999 0.04031 -0.22608 60           WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         11 -0.18568 WERE CLAY CENTER JUNCTION         1         9999 0.04031 -0.22599 60           WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         111 -0.18569 WERE CLAY CENTER JUNCTION         1         9999 0.04031 -0.22608 60           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78 -0.18577 WERE JEFFREY ENERGY CENTER UNIT 1         1         470 0.01389 -0.19966 68			1					14				
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         52         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         31         -0.18568 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22509         60           WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         111         -0.18589 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22509         60           WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         111         -0.18589 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22569         60           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         718         -0.18579 WERE         CLAY CENTE			1					1				
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         31         -0.18568 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22509         60           WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         111         -0.18598 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.2262         60           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.18577 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.01389         -0.19966         68			1					1				
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.18577 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22608         60           WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         31         -0.18568 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22599         60           WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         1111         -0.18589 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.2262         60           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.18577 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.01389         -0.19966         68			1					1				
WERE         HUTCHINSON ENERGY CENTER UNIT 3         1         31         -0.18568 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.22599         60           WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         111         -0.18589 WERE         CLAY CENTER JUNCTION         1         9999         0.04031         -0.2262         60           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.18577 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470         0.01389         -0.19966         68			1					1				
WERE         HUTCHINSON ENERGY CENTER UNIT 4         1         111         -0.18589 WERE         CLAY CENTER JUNCTION         1         9999 0.04031 -0.2262         60           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78 -0.18577 WERE         JEFFREY ENERGY CENTER UNIT 1         1         470 0.01389 -0.19966 68         68			1					1				
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.18577 WERE JEFFREY ENERGY CENTER UNIT 1 1 470 0.01389 -0.19966 68	WERE		1				CLAY CENTER JUNCTION	1			-0.22599	
	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1		-0.18589	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.2262	
WERE HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1 78 -0.18577 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.01446 -0.20023 68	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1		-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 1	1		0.01389	-0.19966	
	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18577	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20023	68

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01446 -0.20023 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01389 -0.19966 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.01446 -0.20023 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01446 -0.20023 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01389 -0.19966 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.01446 -0.20023 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01446 -0.20023 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01389 -0.19966 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.01446 -0.20023 68
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.18577 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01446 -0.20023 68
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.18568 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01389 -0.19957 68
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.18568 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.01446 -0.20014 68
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.18568 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01446 -0.20014 68
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.18589 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01389 -0.19978 68
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.18589 WERE	JEFFREY ENERGY CENTER UNIT 2	11	470 0.01446 -0.20035 68
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.18589 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01446 -0.20035 68
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.18577 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.01035 -0.19612 69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.18577 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072 0.01035 -0.19612 69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.18577 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.01035 -0.19612 69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.18577 WERE	TECUMSEH ENERGY CENTER UNIT 8	li i	50.4072 0.01035 -0.19612 69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.18577 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.01035 -0.19612 69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.18577 WERE	TECUMSEH ENERGY CENTER UNIT 8	li i	50.4072 0.01035 -0.19612 69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.18577 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.01035 -0.19612 69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.18577 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072 0.01035 -0.19612 69
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.18568 WERE	TECUMSEH ENERGY CENTER UNIT 7	li i	40 0.01035 -0.19603 69
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.18568 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072 0.01035 -0.19603 69
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.18589 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.01035 -0.19624 69
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.18589 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	50.4072 0.01035 -0.19624 69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.18577 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058 0.00894 -0.19471 70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.18577 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058 0.00894 -0.19471 70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.18577 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058 0.00894 -0.19471 70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.18577 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058 0.00894 -0.19471 70
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.18568 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058 0.00894 -0.19462 70
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.18589 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.3058 0.00894 -0.19483 70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.18577 WERE	CHANUTE GENERATION SUB	14	42.721 0.00117 -0.18694 72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.18577 WERE	CHANUTE GENERATION SUB	14	42.721 0.00117 -0.18694 72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.18577 WERE	CHANUTE GENERATION SUB	14	42.721 0.00117 -0.18694 72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.18577 WERE	CHANUTE GENERATION SUB	14	42.721 0.00117 -0.18694 72
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.18568 WERE	CHANUTE GENERATION SUB	14	42.721 0.00117 -0.18685 72
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.18589 WERE	CHANUTE GENERATION SUB	14	42.721 0.00117 -0.18706 72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.18577 WERE	EVANS ENERGY CENTER UNIT 2	1	165 0.00021 -0.18598 73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.18577 WERE	EVANS ENERGY CENTER UNIT 2	1	165 0.00021 -0.18598 73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50 -0.18577 WERE	EVANS ENERGY CENTER UNIT 2	1	165 0.00021 -0.18598 73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52 -0.18577 WERE	EVANS ENERGY CENTER UNIT 2	1	165 0.00021 -0.18598 73
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31 -0.18568 WERE	EVANS ENERGY CENTER UNIT 2	1	165 0.00021 -0.18589 73
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111 -0.18589 WERE	EVANS ENERGY CENTER UNIT 2	1	165 0.00021 -0.1861 73
WERE	GILL ENERGY CENTER UNIT 4 1	106 -0.00225 WERE	CLAY CENTER JUNCTION	1	9999 0.04031 -0.04256 318
	ant and Maximum Ingrament were determine from the Source and Sink Opera			t`	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV

Upgrade: Limiting Facility: Direction:

 Upgrade:
 Wichita - Reno Co 345KV

 Limiting Facility:
 NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1

 Direction:
 From->To

 Line Outage:
 EAST MCPHERSON - SUMMIT 230KV CKT 1

 Flowgate:
 57374574381568725687312207SH

 Date Redispatch Needed:
 6/1/07 - 10/1/07

		Aggregate	
		Relief	
Reservation	Relief Amount	Amount	
1034311	3.8	18.0	6
1034407	1.4	18.0	6
1034420	1.0	18.0	6
1034424	1.8		
1034589	0.6		
1034590	1.6	18.0	6
1034595	4.1	18.0	
1034628	0.6	18.0	6
1036932	1.8		
1040115	1.9	18.0	6

104011	5 1.9	18.6	[ز								
			Maximum		Sink			Maximum			Redispatch
			Increment(	'	Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28119	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28119	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28119	66
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.28119	66
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23475	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.27507	68
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.25478	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24087	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391		73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448		73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.25535	73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391		73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448		73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448		73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 1	†i	470	0.01391	-0.25478	73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 2	+	470	0.01448		73
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 3	+	470	0.01448		73
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			TECUMSEH ENERGY CENTER UNIT 7	+	40	0.01037	-0.25333	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			TECUMSEH ENERGY CENTER UNIT 8	+	68.00001	0.01037	-0.25124	74
		1	50		WERE		+	40	0.01037	-0.25124	74
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	+	68.00001	0.01037	-0.25124	74
		1	27				+		0.01037	-0.25124	74
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1			WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037		
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001		-0.25124	74
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.2494	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.24983	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.2494	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 5	11	243.7398	0.00896		75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 4	<del> </del>	60	0.00853	-0.2494	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 5	11	243.7398	0.00896	-0.24983	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 1	11	470	0.01391		75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 2	11	470	0.01448		75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 3	11	470	0.01448		75
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.2494	75
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			LAWRENCE ENERGY CENTER UNIT 5		243.7398	0.00896	-0.24983	75
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.24512	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.24512	76
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			CHANUTE GENERATION SUB	14	33.041	0.00119		77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.2411	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CHANUTE GENERATION SUB	14	33.041	0.00119		77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.2411	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CHANUTE GENERATION SUB	14	33.041	0.00119		77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.2411	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.24328	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.24371	77
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	CHANUTE GENERATION SUB	14	33.041	0.00119	-0.24206	77
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.2411	77
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23865	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24087	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23865	78
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24087	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23865	78
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.24087	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00222	-0.23865	78
		14	79		WEDE	CHANUTE GENERATION SUB	14	33.041	0.00119	-0.23594	79
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	11	79.	-0.23475	WERE	CHANUTE GENERATION SUB	17	33.041	0.00113		

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.23475	WERE	GILL ENERGY CENTER UNIT 4	11	77	-0.00222	-0.23253	80
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.18576	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.18576		CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	82
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.18576		CLAY CENTER JUNCTION	1	9999	0.04032	-0.22608	82
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.18588		CLAY CENTER JUNCTION	1	9999	0.04032	-0.2262	82
WERE	HUTCHINSON ENERGY CENTER UNIT 3	31	-0.18567		CLAY CENTER JUNCTION	1	9999	0.04032	-0.22599	83
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19967	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448		93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448		93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.18576		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19967	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.18576		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01331		93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.18576		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.18576		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.19967	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.18576		JEFFREY ENERGY CENTER UNIT 2	- 1	470	0.01391		93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.18576		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448		93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.18576		JEFFREY ENERGY CENTER UNIT 1	- 1	470	0.01391	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.18576		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01391		93
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.18576		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448		93
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.18567		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01391	-0.20024	93
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.18567		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01391		93
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.18567			1	470	0.01448		93
		70.99999			JEFFREY ENERGY CENTER UNIT 3 JEFFREY ENERGY CENTER UNIT 1	<u>'</u>	470			93
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1		-0.18588			1		0.01391	-0.19979	
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.18588		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01448	-0.20036 -0.20036	93
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.18588		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01448	0.2000	93
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		TECUMSEH ENERGY CENTER UNIT 8		68.00001	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.18576		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.18576		TECUMSEH ENERGY CENTER UNIT 8		68.00001	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.18576		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.18576		TECUMSEH ENERGY CENTER UNIT 8		68.00001	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.18576		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.18576		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.19613	95
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.18588		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01037	-0.19625	95
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.18588		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01037	-0.19625	95
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19429	96
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19472	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.18576		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19429	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.18576		LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19472	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.18576		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19429	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.18576		LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896		96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.18576		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19429	96
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.18576		LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19472	96
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.18588		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00853	-0.19441	96
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.18588		LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.00896	-0.19484	96
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.18576		EVANS ENERGY CENTER UNIT 2	1	305	0.00023	-0.18599	100

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified. Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV

Upgrade: Limiting Facility: Direction: Widina - Rein Oz 996NV
NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
From->To
EAST MCPHERSON - SUMMIT 230KV CKT 1
57374574381568725687312208WP

Line Outage: Flowgate:
Date Redispatch Needed:

12/1/2008 - 4/1/2009

Date Neuispatch Needed.	12/1/2000 - 4/1/2003		
·			Aggregate
			Relief
Reservation	Relief Amount		Amount
1032991		0.2	23.9
1032991		0.2	23.9
1032992	4	1.2	23.9
1034311		4.5	23.9
1034407	1	1.6	23.9
1034420	)	1.2	23.9
1034424	į.	2.1	23.9
1034589	,	0.7	23.9
1034590	,	1.9	23.9
1034595	i	4.9	23.9
1034628	j	0.7	23.9
1036932	2	2.2	23.9
1040115	أذ	2.4	23.9

			Maximum Increment(		Sink Control			Maximum Decrement(			Redispatch Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28112	2 85
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28112	2 85
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.28112	2 85
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.27499	87
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25469	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25527	7 94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.25527	7 94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25469	94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	0.2002	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25527	7 94
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081		LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081		LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081		LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446		96
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.24914	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468		LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24081		EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.24102	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24081		EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.24102	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24081		EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.24102	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23468		EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.23489	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569		CLAY CENTER JUNCTION	1	9999	0.04031	-0.226	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569		CLAY CENTER JUNCTION	1	9999	0.04031	-0.226	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569		CLAY CENTER JUNCTION	1	9999	0.04031	-0.226	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569		CLAY CENTER JUNCTION	1	9999	0.04031	-0.226	
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.22612	106

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20015	119
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.20027	119
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20027	119
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19957	120
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19957	120
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19957	120
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19957	120
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19969	120
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19464	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19464	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19464	123
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19464	123
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.00895	-0.19476	123
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18581	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.18602	128
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18569	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.1859	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.18569	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.1859	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18569	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.1859	129
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.18569	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00021	-0.1859	129
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.00021	WERE	CLAY CENTER JUNCTION	1	9999	0.04031	-0.0401	596

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: Wichita - Reno Co 345KV

NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1

From->To EAST MCPHERSON - SUMMIT 230KV CKT 1 57374574381568725687312211WP Line Outage: Flowgate:

Date Redispatch Needed: 12/1/2011 - 4/1/2012

		Aggregate Relief
Reservation	Relief Amount	Amount
1032991	0.2	32.8
1032991	0.3	32.8
1032992	0.9	32.8
1032992	1.1	32.8
1034311	4.3	32.8
1034363	2.5	32.8
1034407	2.6	32.8
1034420	1.3	32.8
1034424	2.2	32.8
1034589	0.9	32.8
1034590	2.3	32.8
1034595	4.7	32.8
1034625	4.3	32.8
1034628	0.9	32.8
1036932	2.0	32.8
1040115	2.2	32.8

104011	5 2.2	32.8									
			Maximum		Sink			Maximum			Redispatch
			Increment	(	Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			CLAY CENTER JUNCTION	1	9999		-0.28108	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	CLAY CENTER JUNCTION	1	9999		-0.28108	117
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	CLAY CENTER JUNCTION	1	9999		-0.28108	117
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23464	WERE	CLAY CENTER JUNCTION	1	9999		-0.27496	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 2	1	470			128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01446	-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470		-0.25522	128
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.25464	129
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.25464	129
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.25464	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.24076	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.2497	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 5	1	173.8395		-0.2497	131
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.24076	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.2497	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.24852	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.23464	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.2491	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.2491	132
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	173.8395		-0.24358	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			EVANS ENERGY CENTER UNIT 2	1	55		-0.24099	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.24076	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00023	-0.24099	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	1	55		-0.24099	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			EVANS ENERGY CENTER UNIT 2	1	55		-0.23487	140
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18564	WERE	CLAY CENTER JUNCTION	1	9999		-0.22596	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			CLAY CENTER JUNCTION	1	9999		-0.22596	145
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.18564	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.22596	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52			CLAY CENTER JUNCTION	1	9999		-0.22596	145
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18576	WERE	CLAY CENTER JUNCTION	1	9999	0.0.00	-0.22608	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18564	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01388	-0.19952	164
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18564	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.2001	164
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.2001	164
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.19964	
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.20022	164
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.18576	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01446	-0.20022	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.18564	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.8395	0.00894	-0.19458	
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151			LAWRENCE ENERGY CENTER UNIT 5	1	173.8395		-0.1947	168
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.00023	WERE	CLAY CENTER JUNCTION	1	9999	0.04032	-0.04009	817

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility: Direction: Wichita - Reno Co 345KV

NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1

Aggregate Relief

Amount

Reservation

From-ST0
EAST MCPHERSON - SUMMIT 230KV CKT 1
57374574381568725687314306SH Line Outage: Flowgate:

Relief Amount

6/1/06 - 10/1/06 Date Redispatch Needed:

1034311

1034363	3.1	15.6									
1034407	3.1	15.6									
1034420	1.4										
1034424	2.5	15.6									
1034628	1.0	15.6			0: 1	T					la :
			Maximum		Sink			Maximum			Redispatch
0	0	0	Increment(	005	Control	0:-1-	0:-1-1-1	Decrement(	005	F4	Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	-0.30664	(MW)
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1 BPU - CITY OF MCPHERSON GAS TURBINE 2	1	51 52		WERE WERE	ABILENE ENERGY CENTER GAS TURBINE 1 ABILENE ENERGY CENTER GAS TURBINE 1	1	40 40	0.05854	-0.30664	51 51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2  BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.30664	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3  BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.30664	51
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.30004	52
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.03654	-0.2646	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.26515	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705		59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01765	-0.2646	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.26515	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.26515	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.2646	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705		59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705		59
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.2646	59
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705		59
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705		59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2582	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25866	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2604	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2604	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2582	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25866	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2604	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2604	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2582	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25866	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2604	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2604	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.259	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705		60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.25955	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2582	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25866	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.2604	60
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2604	60
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.25306	61
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79 79		WERE WERE	TECUMSEH ENERGY CENTER UNIT 7 TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.2548 -0.2548	61 61
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	79		WERE	ABILENE ENERGY CENTER UNIT 8  ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.0123	-0.2548	61
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.255	61
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	52			ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.255	61
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52			ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.255	61
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.25491	61
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	70.99999		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.05854	-0.25512	61
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	CHANUTE GENERATION SUB	14	33.658	0.00004	-0.24952	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	CHANUTE GENERATION SUB	14	33.658	0.00142	-0.24952	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	CHANUTE GENERATION SUB	14	33,658	0.00142	-0.24952	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.2526	62
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	CHANUTE GENERATION SUB	14	33.658	0.00142	-0.24952	62
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2484	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24572	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.24554	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2484	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24572	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2481	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.24554	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2484	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2481	WERE	GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24572	63
						TE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)	-				

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	50	-0.2481	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.24554	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.2481		EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2484	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.2481		GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24572	63
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.2481		GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.24554	63
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.2425		CHANUTE GENERATION SUB	14	33.658	0.00142	-0.24392	64
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.2425		EVANS ENERGY CENTER UNIT 2	1	305	0.0003	-0.2428	64
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.2425		GILL ENERGY CENTER UNIT 3	1	42.67065	-0.00238	-0.24012	65
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.2425		GILL ENERGY CENTER UNIT 4	1	77	-0.00256	-0.23994	65
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21296	73
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21296	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21296	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21296	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.19646	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21351	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.19637	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21287	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.19637	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21342	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.19637	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21342	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.19658	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.0165	-0.21308	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.19658	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01705	-0.21363	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.19658		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01705	-0.21363	73
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.19646		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.19646		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.19646	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.19646		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.19646		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20876	74
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.19658		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.0123	-0.20888	74
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.19658		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.0123	-0.20888	74
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.19646		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.20656	75
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.19646		LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.20702	75
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.19646		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.20656	75
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52			LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.20702	75
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.19646		LAWRENCE ENERGY CENTER UNIT 4	1	60	0.0101	-0.20656	75
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50			LAWRENCE ENERGY CENTER UNIT 5	1	232.6308	0.01056	-0.20702	75

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Wichita - Reno Co 345KV

Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2

Aggregate Relief

Amount

0.1

Direction: From->To

Reservation

Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 57374574382568725687312206FA

Relief Amount

Date Redispatch Needed: 10/1/06 - 12/1/06

1034311

1034363		0.0	0.2									
1034303		0.0	0.2									
1034424		0.0	0.2									
1034628		0.0	0.2									
1040115		0.0	0.2									
				aximum	1	Sink			Maximum			Redispatch
				crement(		Control			Decrement(			Amount
Source Control Area	Source	Source		W)		Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51			ABILENE ENERGY CENTER GAS TURBINE 1	1	40			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	CHANUTE GENERATION SUB	14	26.96			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51			CITY OF ERIE	1	19.971	0.00166	-0.2873	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51			CITY OF WELLINGTON	5	20	-0.00157	-0.28408	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.28606	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.28296	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.28275	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.30442	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	-	51		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.30518	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.30518	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01360	-0.29726	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01101	-0.2978	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	234.4023	0.01210	-0.29967	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01402		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		51		WERE	WACO	+	17.957	-0.00256	-0.28309	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1		52		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.26308	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	_	52		WERE	CHANUTE GENERATION SUB	14	26.96	0.00026	-0.2873	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52		WERE	CITY OF ERIE	1	19.971	0.00166	-0.2873	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52		WERE	CITY OF ERIE	5	19.971	-0.00157	-0.28408	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1				WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.000137		
		1		52				1			-0.28606	
WERE WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52 52		WERE WERE	GILL ENERGY CENTER UNIT 3 GILL ENERGY CENTER UNIT 4	1	50.5979 77	-0.00269 -0.0029	-0.28296 -0.28275	
WERE		1		52				1	470			
	BPU - CITY OF MCPHERSON GAS TURBINE 2	1				WERE	JEFFREY ENERGY CENTER UNIT 1	1			-0.30442	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	<u>'</u>		52		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470		-0.30518	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.30518	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29726	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52			LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01216	-0.2978	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01402	-0.29967	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	11		52		WERE	TECUMSEH ENERGY CENTER UNIT 8		68.00001	0.01402	-0.29967	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1		52		WERE	WACO	1	17.957	-0.00256	-0.28309	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.35193	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.2873	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	CITY OF ERIE	1	19.971	0.00166	-0.2873	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.28408	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.28606	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	GILL ENERGY CENTER UNIT 3	1	50.5979		-0.28296	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.28275	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01877	-0.30442	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.30518	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.30518	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29726	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01216	-0.2978	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01402	-0.29967	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01402	-0.29967	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1		50		WERE	WACO	1	17.957	-0.00256	-0.28309	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40	0.06628	-0.34549	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	CHANUTE GENERATION SUB	14	26.96	0.00166	-0.28087	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	CITY OF ERIE	1	19.971	0.00166	-0.28087	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	CITY OF WELLINGTON	5	20	-0.00157	-0.27764	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	EVANS ENERGY CENTER UNIT 2	1	305	0.00041	-0.27962	2
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	GILL ENERGY CENTER UNIT 3	1	50.5979	-0.00269	-0.27652	2
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.0029	-0.2763	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470		-0.29798	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.27921	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01953	-0.29874	4
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01953	-0.29874	4
VVLIVL					0.07004	WERE	LAWDENCE ENERGY CENTER UNIT 4	4	60	0.01161	-0.29082	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79	-0.27921	WERE	LAWRENCE ENERGY CENTER UNIT 4	11	60	0.01101	-0.23002	
	BPU - CITY OF MCPHERSON GAS TURBINE 4 BPU - CITY OF MCPHERSON GAS TURBINE 4	1		79 79			LAWRENCE ENERGY CENTER UNIT 4  LAWRENCE ENERGY CENTER UNIT 5	1	234.4825	0.01101		

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.27921 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.01402 -0.29323 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79 -0.27921 WERE	WACO	1	17.957 -0.00256 -0.27665 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40 0.06628 -0.35193 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	CHANUTE GENERATION SUB	14	26.96 0.00166 -0.28731 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	CITY OF ERIE	1	19.971 0.00166 -0.28731 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	CITY OF WELLINGTON	5	20 -0.00157 -0.28408 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	EVANS ENERGY CENTER UNIT 2	1	305 0.00041 -0.28606 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	GILL ENERGY CENTER UNIT 3	1	50.5979 -0.00269 -0.28296 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.0029 -0.28275 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	JEFFREY ENERGY CENTER UNIT 1	i	470 0.01877 -0.30442 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.01953 -0.30518 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01953 -0.30518 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.01161 -0.29726 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825 0.01216 -0.29781 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.01402 -0.29967 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.01402 -0.29967 1
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27 -0.28565 WERE	WACO	1	17.957 -0.00256 -0.28309 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40 0.06628 -0.29251 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	CHANUTE GENERATION SUB	14	26.96 0.00166 -0.22789 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	CITY OF ERIE	1	19.971 0.00166 -0.22789 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	CITY OF WELLINGTON	5	20 -0.00157 -0.22466 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	EVANS ENERGY CENTER UNIT 2	1	305 0.00041 -0.22664 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	GILL ENERGY CENTER UNIT 3	1	50.5979 -0.00269 -0.22354 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.0029 -0.22333 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01877 -0.245 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.01953 -0.24576 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01953 -0.24576 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60 0.01161 -0.23784 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	LAWRENCE ENERGY CENTER UNIT 5	1	234.4825 0.01216 -0.23839 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40 0.01402 -0.24025 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.01402 -0.24025 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78 -0.22623 WERE	WACO	1	17.957 -0.00256 -0.22367 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	40 0.06628 -0.29251 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	CHANUTE GENERATION SUB	14	26.96 0.00166 -0.22789 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	CITY OF ERIE	1	19.971 0.00166 -0.22789 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	CITY OF WELLINGTON	5	20 -0.00157 -0.22466 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	EVANS ENERGY CENTER UNIT 2	1	305 0.00041 -0.22664 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	GILL ENERGY CENTER UNIT 3	1	50.5979 -0.00269 -0.22354 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	GILL ENERGY CENTER UNIT 4	1	77 -0.0029 -0.22333 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	JEFFREY ENERGY CENTER UNIT 1	1	470 0.01877 -0.245 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	JEFFREY ENERGY CENTER UNIT 2	1	470 0.01953 -0.24576 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52 -0.22623 WERE	JEFFREY ENERGY CENTER UNIT 3	1	470 0.01953 -0.24576 1

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Wichita - Reno Co 345KV

Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2

BPU - CITY OF MCPHERSON GAS TURBINE 1

BPU - CITY OF MCPHERSON GAS TURBINE 1

BPU - CITY OF MCPHERSON GAS TURBINE 2

BPU - CITY OF MCPHERSON GAS TURBINE 2

BPU - CITY OF MCPHERSON GAS TURBINE 3

BPU - CITY OF MCPHERSON GAS TURBINE 3

BPU - CITY OF MCPHERSON GAS TURBINE 4

BPU - CITY OF MCPHERSON GAS TURBINE 4

BPU - CITY OF MCPHERSON GAS TURBINE 4

BPU - CITY OF MCPHERSON STEAM PLANT

BPU - CITY OF MCPHERSON STEAM PLANT

WERE WERE

WERE

WERE WERE

WERE WERE

WERE

WERE WERE

Aggregate Relief

From->To Direction:

Line Outage EAST MCPHERSON - SUMMIT 230KV CKT 1 Flowgate: 57374574382568725687312206SH

6/1/06 - 10/1/06 Date Redispatch Needed:

		Relief									
Reservation	Relief Amount	Amount									
1034311	5.										
1034363											
1034407											
1034420											
1034424											
1034628	1.	16.	-								
			Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.30502	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.30502	55
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.30439	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28541	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28541	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.30439	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.30439	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29956	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.30439	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.29956	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29956	56
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29702	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.29756	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.29702	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01101	-0.29756	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 4	1	230.7733	0.01213	-0.29702	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01101	-0.29756	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01213	-0.29795	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.29858	57
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.29858	57
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	LAWRENCE ENERGY CENTER UNIT 4		60	0.01961	-0.29702	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	LAWRENCE ENERGY CENTER UNIT 5		238,7755	0.01101	-0.29756	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	79			LAWRENCE ENERGY CENTER UNIT 4	1	230.7755	0.01215	-0.29758	58
WERE		1	79			LAWRENCE ENERGY CENTER UNIT 5	1		0.01161		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0			1 4	238.7755	0.01215	-0.29112 -0.29312	58 58
	BPU - CITY OF MCPHERSON GAS TURBINE 4	1				TECUMSEH ENERGY CENTER UNIT 7	1	.0			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	0		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.29312	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	CHANUTE GENERATION SUB	14	33.658	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	CITY OF ERIE	1	20	0.00163	-0.28704	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51		WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035	-0.28576	59
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	CHANUTE GENERATION SUB	14	33.658	0.00163	-0.28704	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	17	52		WERE	CITY OF ERIE	1	20	0.00163	-0.28704	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52		WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035	-0.28576	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	17	50			CHANUTE GENERATION SUB	14	33.658	0.00163	-0.28704	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	CITY OF ERIE	1	20	0.00163	-0.28704	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50		WERE	EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035	-0.28576	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	CHANUTE GENERATION SUB	14	33.658	0.00163	-0.28704	59
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27		WERE	CITY OF ERIE	1	20	0.00163	-0.28704	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			EVANS ENERGY CENTER UNIT 2	1	200.5029	0.00035		
WERE	RPLL CITY OF MCPHERSON GAS TURRINE 1	11	51	I	WERE	CITY OF WELLINGTON	5	20	-0.00162	_n 28370	60

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-0.28541 WERE

-0.27897 WERE

-0.27897 WERE

-0.27897 WERE

79

27

SPP AGGREGATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)

EVANS ENERGY CENTER UNIT 2

GILL ENERGY CENTER UNIT 4

GILL ENERGY CENTER UNIT 4

GILL ENERGY CENTER UNIT 4

CHANUTE GENERATION SUB

CITY OF WELLINGTON

CITY OF WELLINGTON

CITY OF WELLINGTON

-0.28246

-0.28379

-0.28246

-0.28379

-0 28246

-0.2806

-0.2806

-0.27932

-0.28379

60 60

60

60

60

60 60

60

60

-0.0016

-0.00295

-0.00162

-0.00295

-0.00162

-0.00295

0.0016

0.00035

77 -0.00295 -0.28246

33.658

20 -0.00162

200.5029

CITY OF ERIE

-0.28541 WERE CITY OF WELLINGTON

27 -0.28541 WERE GILL ENERGY CENTER UNIT 4

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27897	WERE	GILL ENERGY CENTER UNIT 4	1	77	-0.00295	-0.27602	61
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24499	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24499	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24499	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24499	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24562	69
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24489	69
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24552	69
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24552	69
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01898	-0.24513	69
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01961	-0.24576	69
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01961	-0.24576	69
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601		TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24016	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.24006	70
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.24006	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01415	-0.2403	70
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01415	-0.2403	70
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23762	71
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23816	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23762	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23816	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23762	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23816	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23762	71
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.22601	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23816	71
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23752	71
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.22591	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	238.7755	0.01215	-0.23806	71
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	111	-0.22615	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.01161	-0.23776	71

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2 From->To EAST MCPHERSON - SUMMIT 230KV CKT 1 57374574382568725687312207FA 10/1/07 - 12/1/07 Upgrade: Limiting Facility: Direction:

Line Outage: Flowgate:

Date Redispatch Needed:

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1032991	0.0	4.2
1032991	0.0	4.2
1032992	0.2	4.2
1034311	0.9	4.2
1034420	0.2	4.2
1034424	0.4	4.2
1034589	0.1	4.2
1034590	0.3	4.2
1034595	1.0	4.2
1034628	0.1	4.2
1036932	0.4	4.2
1040115	0.5	4.2

10401	15 0.	5 4.2									
			Maximum		Sink			Maximum			Redispatch
			Increment	:(	Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.2771	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32347	13
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.2771	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32347	13
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32347	13
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	9 -0.27006	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.31643	13
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.2771	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32347	13
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.2771	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.29308	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.2771	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.29373	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.2771	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.29373	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.2771	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.29308	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.29373	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.2771	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.29373	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.29308	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.29373	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.2771	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.29373	14
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.2771	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.29308	14
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.29373	14
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.29373	14
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5		WERE	CHANUTE GENERATION SUB	14	42.721	0.00134	-0.27844	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			EVANS ENERGY CENTER UNIT 2	1	165	0.00024	-0.27734	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			LAWRENCE ENERGY CENTER UNIT 5	1	243,3058	0.01028	-0.28738	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.28901	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			TECUMSEH ENERGY CENTER UNIT 8	1	50,4072	0.01191	-0.28901	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			WACO	1	17.946	-0.0023	-0.2748	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5			CHANUTE GENERATION SUB	14	42.721	0.00134	-0.27844	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5			EVANS ENERGY CENTER UNIT 2	1	165	0.00024		15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5:			LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.28738	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01191	-0.28901	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5			TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.28901	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5			WACO	1	17.946	-0.0023	-0.2748	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CHANUTE GENERATION SUB	14	42.721	0.00134	-0.27844	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	1	165	0.000134	-0.27734	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01028	-0.28738	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01020	-0.28901	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			TECUMSEH ENERGY CENTER UNIT 8	1	50.4072	0.01191	-0.28901	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			WACO	1	17.946	-0.0023	-0.2748	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			JEFFREY ENERGY CENTER UNIT 1	1	470	0.01598	-0.28604	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01663	-0.28669	15
WERE	BPU - CITY OF MICHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01663	-0.28669	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			LAWRENCE ENERGY CENTER UNIT 5	1	243.3058	0.01003	-0.28034	15
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			TECUMSEH ENERGY CENTER UNIT 7		40	0.01028	-0.28197	15
WERE	BPU - CITY OF MICHERSON GAS TURBINE 4	1	79			TECUMSEH ENERGY CENTER UNIT 8	1	50,4072	0.01191	-0.28197	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			CHANUTE GENERATION SUB	14	42,721	0.00134		15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			EVANS ENERGY CENTER UNIT 2	14	165	0.00134	-0.27734	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2		WERE	LAWRENCE ENERGY CENTER UNIT 5		243.3058	0.00024	-0.28738	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2		WERE	TECUMSEH ENERGY CENTER UNIT 7	1	243.3058	0.01028	-0.28738	15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			TECUMSEH ENERGY CENTER UNIT 7	1	50,4072	0.01191	-0.28901	15
		1	2			WACO	1	17.946	-0.0023		15
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	79				14	17.946 42.721		-0.2748	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1				CHANUTE GENERATION SUB	14		0.00134	-0.2714	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			EVANS ENERGY CENTER UNIT 2	1	165	0.00024	-0.2703	16
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			WACO	1	17.946	-0.0023	-0.26776	16
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			CLAY CENTER JUNCTION	1	9999	0.04637	-0.26008	16
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	[1	5			CLAY CENTER JUNCTION ATE SYSTEM IMPACT STUDY (SPP-2006-AG1-ASIS)	[1	9999	0.04637	-0.26008	16

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

VERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50			CLAY CENTER JUNCTION	1 9999	0.04637	-0.26008
/ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52			CLAY CENTER JUNCTION	1 9999	0.04637	-0.26008
'ERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18			CLAY CENTER JUNCTION	1 9999	0.04637	-0.25997
ERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18			CLAY CENTER JUNCTION	1 9999	0.04637	-0.25997
ERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.2136	WERE	CLAY CENTER JUNCTION	1 9999	0.04637	-0.25997
ERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111			CLAY CENTER JUNCTION	1 9999	0.04637	-0.26022
ERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78			JEFFREY ENERGY CENTER UNIT 1	1 470	0.01598	-0.22969
ERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.01663	-0.23034
ERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78			JEFFREY ENERGY CENTER UNIT 3	1 470	0.01663	-0.23034
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.01598	-0.22969
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52			JEFFREY ENERGY CENTER UNIT 2	1 470	0.01663	-0.23034
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.01663	-0.23034
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.01598	-0.22969
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.01663	-0.23034
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.21371	WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.01663	-0.23034
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52			JEFFREY ENERGY CENTER UNIT 1	1 470	0.01598	-0.22969
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52			JEFFREY ENERGY CENTER UNIT 2	1 470	0.01663	-0.23034
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52			JEFFREY ENERGY CENTER UNIT 3	1 470	0.01663	-0.23034
ERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.01663	-0.23023
ERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18			JEFFREY ENERGY CENTER UNIT 3	1 470	0.01663	-0.23023
ERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.01663	-0.23023
ERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.01663	-0.23023
ERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.01663	-0.23023
ERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.01663	-0.23023
ERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.21385	WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.01598	-0.22983
ERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.21385	WERE	JEFFREY ENERGY CENTER UNIT 2	1 470	0.01663	-0.23048
ERE	HUTCHINSON ENERGY CENTER UNIT 4 1	111	-0.21385	WERE	JEFFREY ENERGY CENTER UNIT 3	1 470	0.01663	-0.23048
ERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.21371	WERE	LAWRENCE ENERGY CENTER UNIT 5	1 243.3058	0.01028	-0.22399
ERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 7	1 40	0.01191	-0.22562
ERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 8	1 50.4072	0.01191	-0.22562
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.21371	WERE	LAWRENCE ENERGY CENTER UNIT 5	1 243.3058	0.01028	-0.22399
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 7	1 40	0.01191	-0.22562
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 8	1 50.4072	0.01191	-0.22562
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.21371	WERE	LAWRENCE ENERGY CENTER UNIT 5	1 243.3058	0.01028	-0.22399
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 7	1 40	0.01191	-0.22562
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 8	1 50.4072	0.01191	-0.22562
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52			LAWRENCE ENERGY CENTER UNIT 5	1 243.3058	0.01028	-0.22399
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.21371	WERE	TECUMSEH ENERGY CENTER UNIT 7	1 40	0.01191	-0.22562
ERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52		WERE	TECUMSEH ENERGY CENTER UNIT 8	1 50.4072	0.01191	-0.22562
ERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18			JEFFREY ENERGY CENTER UNIT 1	1 470	0.01598	-0.22958
ERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18			LAWRENCE ENERGY CENTER UNIT 5	1 243.3058	0.01028	-0.22388
ERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18			TECUMSEH ENERGY CENTER UNIT 7	1 40	0.01191	-0.22551
ERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.2136	WERE	TECUMSEH ENERGY CENTER UNIT 8	1 50.4072	0.01191	-0.22551
ERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18			JEFFREY ENERGY CENTER UNIT 1	1 470	0.01598	-0.22958
ERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	0.1		LAWRENCE ENERGY CENTER UNIT 5	1 243.3058	0.01028	-0.22388
'ERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.2136	WERE	TECUMSEH ENERGY CENTER UNIT 7	1 40	0.01191	-0.22551
'ERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18			TECUMSEH ENERGY CENTER UNIT 8	1 50.4072	0.01191	-0.22551
'ERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.2136	WERE	JEFFREY ENERGY CENTER UNIT 1	1 470	0.01598	-0.22958

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV

Upgrade: Limiting Facility: Direction: WIGHIA - Rein OJ 996NV
NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2
From->To
EAST MCPHERSON - SUMMIT 230KV CKT 1
573745743825687256873122075H

Line Outage: Flowgate: 57374574382568
Date Redispatch Needed: 6/1/07 - 10/1/07

		Aggregate
		Relief
Reservation	Relief Amount	Amount
1034311	2.0	10.3
1034363	0.7	10.3
1034407	0.7	10.3
1034420	0.5	10.3
1034424	0.9	10.3
1034589	0.3	10.3
1034590	0.8	10.3
1034595	2.1	10.3
1034628	0.3	10.3
1036932	0.9	10.3
1040115	1.0	10.3

1040	)115 <b> </b>	.0 10.3	3								
			Maximum		Sink			Maximum			Redispatch
			Increment	(	Control			Decrement(			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27709	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33977	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33977	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33977	3
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.27709	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33977	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091	0.06268	-0.33273	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27709	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32347	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27709	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32347	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27709	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32347	3
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2		WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.32347	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			CLAY CENTER JUNCTION	1	9999	0.04638	-0.31643	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27709	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.29309	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.29374	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.29374	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 1	<u> </u>	470	0.016		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.29374	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.29374	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.29309	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.29374	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.29374	3
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 1	1	470	0.0166	-0.29374	3
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2			JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.29308	
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27			JEFFREY ENERGY CENTER UNIT 3	- 1	470	0.01665	-0.29374	
		1	5				1	60	0.01665	-0.2869	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1				LAWRENCE ENERGY CENTER UNIT 4	1	243,7398		-0.28739	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 5	- !		0.0103		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28902	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28902	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00981	-0.2869	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.0103	-0.28739	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28902	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28902	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00981	-0.2869	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.0103	-0.28739	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28902	2 3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28902	2
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79		WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.016	-0.28605	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01665	-0.2867	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27005	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01665	-0.2867	3
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 4	1	60	0.00981	-0.2869	3
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.27709	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	243.7398	0.0103	-0.28739	3
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 7	1	40	0.01193	-0.28902	3
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	7 -0.27709	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	68.00001	0.01193	-0.28902	2
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			CHANUTE GENERATION SUB	14	33.041	0.00136	-0.27845	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			CITY OF ERIE	1	20	0.00136		3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			CITY OF WELLINGTON	5	20	-0.00136		
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			CITY OF WELLINGTON	6	19.5	-0.00136		3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			EVANS ENERGY CENTER UNIT 2	1	305	0.00027	-0.27736	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			GILL ENERGY CENTER UNIT 4	li i	77	-0.00256	-0.27453	3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5			WACO	1	17.947	-0.00227	-0.27482	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CHANUTE GENERATION SUB	14	33.041	0.00227	-0.27462	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CITY OF ERIE	1	20	0.00136		1 3
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CITY OF WELLINGTON	6	19.5	-0.00136	-0.27573	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			CITY OF WELLINGTON  CITY OF WELLINGTON	5	19.5	-0.00136	-0.27573	3
WERE	IDFU - CITT OF WICHTERSON GAS TURBINE 2	11	1 5/		VVERE		10	- 20		i -U.Z/O/3	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.27709 WE	EDE	GILL ENERGY CENTER UNIT 4	14	77 -0.00256 -0.27453
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2 1	52	-0.27709 WE		WACO	1	17.947 -0.00227 -0.27482
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.27709 WE		CHANUTE GENERATION SUB	14	33.041 0.00136 -0.27845
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.27709 WE		CITY OF ERIE	14	20 0.00136 -0.27845
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	50	-0.27709 WE		CITY OF WELLINGTON		19.5 -0.00136 -0.27573
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	50	-0.27709 WE		CITY OF WELLINGTON	0	20 -0.00136 -0.27573
	BPU - CITY OF MCPHERSON GAS TURBINE 3		-0.27709 WE		EVANS ENERGY CENTER UNIT 2	5	
WERE		50				1	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.27709 WE		GILL ENERGY CENTER UNIT 4	1	77 -0.00256 -0.27453
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3 1	50	-0.27709 WE		WACO	1	17.947 -0.00227 -0.27482
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE		LAWRENCE ENERGY CENTER UNIT 4	1	60 0.00981 -0.27986
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE		LAWRENCE ENERGY CENTER UNIT 5	1	243.7398 0.0103 -0.28035
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE		TECUMSEH ENERGY CENTER UNIT 7	1	40 0.01193 -0.28198
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE		TECUMSEH ENERGY CENTER UNIT 8	1	68.00001 0.01193 -0.28198
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.27709 WE		CHANUTE GENERATION SUB	14	33.041 0.00136 -0.27845
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.27709 WE		CITY OF ERIE	1	20 0.00136 -0.27845
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.27709 WE		CITY OF WELLINGTON	6	19.5 -0.00136 -0.27573
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.27709 WE	ERE	CITY OF WELLINGTON	5	20 -0.00136 -0.27573
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.27709 WE	ERE	EVANS ENERGY CENTER UNIT 2	1	305 0.00027 -0.27736
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.27709 WE	ERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00256 -0.27453
WERE	BPU - CITY OF MCPHERSON STEAM PLANT 1	27	-0.27709 WE	ERE	WACO	1	17.947 -0.00227 -0.27482
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.21369 WE	ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091 0.06268 -0.27637
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.21369 WE	ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091 0.06268 -0.27637
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.21369 WE	ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091 0.06268 -0.27637
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.21369 WE	ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091 0.06268 -0.27637
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.21359 WE	ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091 0.06268 -0.27627
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.21359 WE	ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091 0.06268 -0.27627
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.21359 WE	ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091 0.06268 -0.27627
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70.99999	-0.21384 WE	ERE	ABILENE ENERGY CENTER GAS TURBINE 1	1	14.43091 0.06268 -0.27652
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE	ERE	CHANUTE GENERATION SUB	14	33.041 0.00136 -0.27141
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE	ERE	CITY OF ERIE	1	20 0.00136 -0.27141
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE	ERE	CITY OF WELLINGTON	5	20 -0.00136 -0.26869
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE	ERE	CITY OF WELLINGTON	6	19.5 -0.00136 -0.26869
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE	FRE	EVANS ENERGY CENTER UNIT 2	1	305 0.00027 -0.27032
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE	ERE	GILL ENERGY CENTER UNIT 4	1	77 -0.00256 -0.26749
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4 1	79	-0.27005 WE		WACO	1	17.947 -0.00227 -0.26778
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.21369 WE		CLAY CENTER JUNCTION	1	9999 0.04638 -0.26007
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.21369 WE		CLAY CENTER JUNCTION	<del>li</del>	9999 0.04638 -0.26007
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.21369 WE		CLAY CENTER JUNCTION	11	9999 0.04638 -0.26007
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.21369 WE		CLAY CENTER JUNCTION	11	9999 0.04638 -0.26007
WERE	HUTCHINSON ENERGY CENTER UNIT 1 1	18	-0.21359 WE		CLAY CENTER JUNCTION	- li	9999 0.04638 -0.25997
WERE	HUTCHINSON ENERGY CENTER UNIT 2 1	18	-0.21359 WE		CLAY CENTER JUNCTION	11	9999 0.04638 -0.25997
WERE	HUTCHINSON ENERGY CENTER UNIT 3 1	31	-0.21359 WE		CLAY CENTER JUNCTION	<del> </del>	9999 0.04638 -0.25997
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	70,99999	-0.21384 WE		CLAY CENTER JUNCTION	<del>-  </del> i	9999 0.04638 -0.26022
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	70.99999	-0.21369 WE		JEFFREY ENERGY CENTER UNIT 1	1	470 0.016 -0.22969
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.21369 WE		JEFFREY ENERGY CENTER UNIT 2		470 0.016 -0.22969
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.21369 WE		JEFFREY ENERGY CENTER UNIT 3	- 1	470 0.01665 -0.23034
WERE	HUTCHINSON ENERGY CENTER GAS TROBINE 4 1	52	-0.21369 WE		JEFFREY ENERGY CENTER UNIT 1		470 0.01665 -0.23034
WERE	HOTCHINGON ENERGY CENTER GAS TURBINE I	52	-U.Z 1309 WE	ENE	JEFFRET ENERGT GENTER UNIT I	[1	470 0.010 -0.22909

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Wichita - Reno Co 345KV NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2 From->To EAST MCPHERSON - SUMMIT 230KV CKT 1 57374574382568725687312208WP Upgrade: Limiting Facility: Direction:

Line Outage: Flowgate:

Date Redispatch Needed: 12/1/2008 - 4/1/2009

		Aggregate Relief
Reservation		Amount
1032991	0.1	16.4
1032991	0.2	16.4
1032992	0.8	16.4
1034311	3.0	16.4
1034363	0.8	16.4
1034407	1.1	16.4
1034420	0.8	16.4
1034424	1.4	16.4
1034589	0.5	16.4
1034590	1.2	16.4
1034595	3.2	16.4
1034628	0.5	16.4
1036932	1.4	16.4
1040115	1.5	16.4
1040115	1.5	16.4

Maximum   Size   Source Control Area   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source   Source	1040	0115	.5 16.4	4								
Source Office And Source Source Source of MMY OSF Area Sonio MMY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF AREA SONIO MAY OSF A	1010	5110			1	Sink			Maximum			Redispatch
WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 59 0.2770/WERE CLAY CENTER JUNCTION 1 8999 0.04877 0.32339 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 59 0.2770/WERE CLAY CENTER JUNCTION 1 8999 0.04897 0.32339 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 59 0.2770/WERE CLAY CENTER JUNCTION 1 8999 0.04897 0.32339 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 59 0.2770/WERE CLAY CENTER JUNCTION 1 8999 0.04897 0.32339 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 59 0.2770/WERE CLAY CENTER JUNCTION 1 1 470 0.01697 0.32259 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 59 0.2770/WERE EFFERY PERROY CENTER JUNT 1 1 470 0.01697 0.32259 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 59 0.2770/WERE EFFERY PERROY CENTER JUNT 2 1 470 0.01697 0.32259 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 59 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 59 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.01694 0.23269 5 MERE BPU_CITY OF MCPHERSON GAS TURBINE 4 1 50 0.2770/WERE EFFERY PERROY CENTER JUNT 3 1 470 0.0				Increment	t(	Control			Decrement(			Amount
WERE BPU_CITY OF MCPHERSON GAS TURBINS 2 1 55 0.2770/WERE CLAY CENTER JUNCTION 1 9999 0.04837 0.32339 5 7 WERE BPU_CITY OF MCPHERSON GAS TURBINS 3 1 50 0.2770/WERE CLAY CENTER JUNCTION 1 9999 0.04837 0.32339 5 7 WERE BPU_CITY OF MCPHERSON GAS TURBINS 1 1 27 0.2770/WERE CLAY CENTER JUNCTION 1 9999 0.04837 0.32339 5 7 WERE BPU_CITY OF MCPHERSON GAS TURBINS 1 1 27 0.2770/WERE LEFTER YEAR OY CENTER JUNCTION 1 9999 0.04837 0.32339 5 7 WERE BPU_CITY OF MCPHERSON GAS TURBINS 1 1 51 0.2770/WERE LEFTER YEAR OY CENTER JUNCTION 1 9999 0.04837 0.32339 5 7 WERE BPU_CITY OF MCPHERSON GAS TURBINS 1 1 51 0.2770/WERE LEFTER YEAR OY CENTER JUNCTION 1 1 470 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907 0.01907	Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE BPU-CITY OF MCPHERSON GAS TURBINS 3 1 50 0,27702/WERE LAY CENTER JUNCTION 1 9999 0,04837 3,23339 5 7 WERE BPU-CITY OF MCPHERSON GAS TURBINS 4 1 79 0,27006/WERE LAY CENTER JUNCTION 1 9999 0,04837 3,3339 5 7 WERE BPU-CITY OF MCPHERSON GAS TURBINS 1 1 79 0,27006/WERE LAY CENTER JUNCTION 1 9999 0,04837 3,3339 5 7 WERE BPU-CITY OF MCPHERSON GAS TURBINS 1 1 91 0,27702/WERE LAY CENTER JUNCTION 1 9999 0,04837 3,3339 5 7 WERE BPU-CITY OF MCPHERSON GAS TURBINS 1 1 91 0,27702/WERE LEFFREY WERGY CENTER UNIT 2 1 470 0,0164 0,2339 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 2 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0164 0,2339 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 2 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,2339 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 2 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 3 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 3 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 3 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 3 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 3 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 3 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 1 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 1 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 1 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 1 1 95 0,27702/WERE JEFFREY WERGY CENTER UNIT 1 1 470 0,0169 0,4259 5 9 WERE BPU-CITY OF MCPHERSON GAS TURBINS 1 1 95 0,27702/WERE JEFFREY WERG	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27702	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32339	51
WERE BPU_CITY OF MCPHERSON AS TURBINE 1 1 27 0.27702/WERE LAY CENTER JUNCTION 1 9999 0.04837 0.32339 5 NEED TO MCPHERSON GAS TURBINE 1 1 51 0.27702/WERE LEFFREY ENGROY CENTER UNIT 1 1 9999 0.04837 0.32339 5 NEED TO MCPHERSON GAS TURBINE 1 1 51 0.27702/WERE LEFFREY ENGROY CENTER UNIT 1 1 470 0.0190 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1.020200 1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5:	2 -0.27702	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32339	51
MERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 79 0.28998 WEFER CLAY CENTER JUNCTION 1 1 9999 0.4637 0.31938 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 0.2770/WEFE JEFFREY NERGY CENTER JUNT 2 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 0.2770/WEFE JEFFREY NERGY CENTER JUNT 2 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 2 1 51 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 2 1 52 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 2 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 2 0.2770/WEFE JEFFREY NERGY CENTER JUNT 3 1 470 0.01964 0.23986 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.2770/WEFE JEFRREY NERGY CENTER JUNT 3 1 1754888 0.0010 3.23732 5 WEFER BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 0.27	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	5	0 -0.27702	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32339	51
WERE BPU_CITY OF MCPHERSON GAS TURBINE 1	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.27702	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.32339	51
MERE BPU - CITY OF MCPHERSON GAS TURBINE 1   51   0.27702 WERE   JEFFREY BERGY CENTER UNIT 2   1   470   0.01684   0.29386   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.27702 WERE   JEFFREY BERGY CENTER UNIT 1   1   470   0.01697   0.28299   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.27702 WERE   JEFFREY BERGY CENTER UNIT 1   1   470   0.01697   0.28299   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.27702 WERE   JEFFREY BERGY CENTER UNIT 2   1   470   0.01697   0.28299   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.27702 WERE   JEFFREY BERGY CENTER UNIT 1   470   0.01697   0.28298   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.27702 WERE   JEFFREY BERGY CENTER UNIT 2   1   470   0.01697   0.28298   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.27702 WERE   JEFFREY BERGY CENTER UNIT 2   1   470   0.01696   0.28366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.27702 WERE   JEFFREY BERGY CENTER UNIT 3   1   470   0.01664   0.28366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   270   0.27702 WERE   JEFFREY BERGY CENTER UNIT 3   1   470   0.01664   0.28366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   270   0.27702 WERE   JEFFREY BERGY CENTER UNIT 3   1   470   0.01664   0.28366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   470   0.01664   0.28366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   470   0.01664   0.28366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   1   470   0.01664   0.28366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   1   1   1   1   1   1   1   1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	7	9 -0.26998	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.31635	5 52
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 51 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.27702 WERE JEFFEY ENERGY CENTER UNT 2 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.27702 WERE JEFFEY ENERGY CENTER UNT 2 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.27702 WERE JEFFEY ENERGY CENTER UNT 1 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.27702 WERE JEFFEY ENERGY CENTER UNT 1 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 51 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 51 0.27702 WERE JEFFEY ENERGY CENTER UNT 3 1 470 0.01664 0.29368 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 51 0.27702 WERE JEFFEY ENERGY CENTER UNT 5 1 175 4608 0.0103 0.29732 5 0 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.27702 WERE JEFFEY ENERGY CENTER UNT 5 1 175 4608 0.0103 0.29732 5 0 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 0.27702 WERE JEFFEY ENERGY CENTER UNT 1 1 1 1 1 1 1 1 1 1 1 1 1 1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29299	56
WERE BPU_CITY OF MOPHERSON GAS TURBINE 2   52 0.2770 WERE   JEFFREY WERROY CENTER UNIT 1   470 0.01697   0.20209   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2   52 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3   1 50 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3   1 50 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3   1 50 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3   1 50 0.42770 WERE   JEFFREY WERROY CENTER UNIT 3   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON STEAM PLANT   1 27 0.2770 WERE   JEFFREY WERROY CENTER UNIT 2   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON STEAM PLANT   1 27 0.2770 WERE   JEFFREY WERROY CENTER UNIT 2   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON STEAM PLANT   1 27 0.2770 WERE   JEFFREY WERROY CENTER UNIT 2   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON STEAM PLANT   1 27 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 1   1 51 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2   1 52 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 470 0.01664   0.20306   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2   1 52 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 175.4000 0.0100   0.20732   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2   1 52 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 175.4000 0.0100   0.20732   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 2   1 50 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 175.4000 0.0100   0.20732   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3   1 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 175.4000 0.0100   0.20732   5 WERE BPU_CITY OF MOPHERSON GAS TURBINE 3   1 0.2770 WERE   JEFFREY WERROY CENTER UNIT 3   1 175.4000 0.0100	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
MERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55: -0.27702 WERE BPU - CITY OF MCPHERSON GET MAN TO THE MCREE BPU - CITY OF MCPHERSON GET MAN TO THE MCREE BPU - CITY OF MCPHERSON GET MAN TO THE MCREE BPU - CITY OF MCPHERSON STEAM PLAYT 1 27: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 70: -0.26998 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 70: -0.26998 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 70: -0.26998 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 70: -0.26998 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 70: -0.26998 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 70: -0.26998 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 70: -0.26998 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50: -0.27702	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29366	56
MERE BPU - CITY OF MCPHERSON GAS TURBNE 2   1   52   -0.27702 WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 3   1   50   -0.27702 WERE   JEFFREY ENERGY CENTER UNIT 1   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 3   1   50   -0.27702 WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 3   1   50   -0.27702 WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   271   -0.27702 WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   271   -0.27702 WERE   JEFFREY ENERGY CENTER UNIT 2   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   271   -0.27702 WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 2   1   51   6.27702 WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 2   1   51   6.27702 WERE   JEFFREY ENERGY CENTER UNIT 3   1   470   0.01664   -0.29366   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 2   1   51   6.27702 WERE   JEFFREY ENERGY CENTER UNIT 3   1   175 400   0.0103   -0.29732   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 4   1   79   0.26968 WERE   JEFFREY ENERGY CENTER UNIT 5   1   175 400   0.0103   -0.29732   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 4   1   79   0.26968 WERE   JEFFREY ENERGY CENTER UNIT 5   1   175 400   0.0103   -0.29732   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 4   1   79   0.26968 WERE   JEFFREY ENERGY CENTER UNIT 5   1   470   0.01664   -0.29662   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 4   1   79   0.26968 WERE   JEFFREY ENERGY CENTER UNIT 5   1   470   0.01664   0.29662   5   MERE   BPU - CITY OF MCPHERSON GAS TURBNE 4   1   79   0.26968 WERE   JEFFREY ENERGY CENTER UNIT 5   1   470   0.01664   0.29666	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5.	2 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29299	56
### BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.27702 WERE   JEFFREY YERROY CENTER UNIT 1   1   470   0.01694   0.29366   59   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   0.27702 WERE   JEFFREY YERROY CENTER UNIT 2   1   470   0.01694   0.29366   59   ### WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.27702 WERE   JEFFREY YERROY CENTER UNIT 3   1   470   0.01694   0.29366   59   ### WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.27702 WERE   JEFFREY YERROY CENTER UNIT 3   1   470   0.01694   0.29366   59   ### WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.27702 WERE   JEFFREY YERROY CENTER UNIT 3   1   470   0.01694   0.29366   59   ### WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.27702 WERE   JEFFREY YERROY CENTER UNIT 3   1   470   0.01694   0.29366   59   ### WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   0.27702 WERE   JEFFREY YERROY CENTER UNIT 3   1   470   0.01694   0.29366   59   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   50   0.27702 WERE   JEFFREY YERROY CENTER UNIT 5   1   176 4008   0.0103   0.22732   50   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   79   0.29998 WERE   JEFFREY YERROY CENTER UNIT 5   1   176 4008   0.0103   0.22732   50   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.29998 WERE   JEFFREY YERROY CENTER UNIT 2   1   470   0.01694   0.28662   50   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.29998 WERE   JEFFREY YERROY CENTER UNIT 2   1   470   0.01694   0.28662   50   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.29998 WERE   JEFFREY YERROY CENTER UNIT 2   1   470   0.01694   0.28662   50   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.29998 WERE   JEFFREY YERROY CENTER UNIT 2   1   470   0.01694   0.28662   50   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   0.27702 WERE   JEFFREY YERROY CENTER UNIT 2   1   470   0.01694   0.28662   50   ### WERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   5   0.27702 WERE   JEFFREY YERR	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5:	2 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.27702 WERE JEFFREY YERROY CENTER UNIT 2 1 470 0.01664 -0.29366 5 9 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.27702 WERE JEFFREY YERROY CENTER UNIT 3 1 470 0.01664 -0.29366 5 9 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.27702 WERE JEFFREY YERROY CENTER UNIT 2 1 470 0.01664 -0.29366 5 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.27702 WERE JEFFREY YERROY CENTER UNIT 2 1 470 0.01664 -0.29366 5 WERE BPU-CITY OF MCPHERSON STEAM PLANT 1 27 -0.27702 WERE JEFFREY YERROY CENTER UNIT 3 1 470 0.01664 -0.29366 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.27702 WERE JEFFREY YERROY CENTER UNIT 5 1 176 4088 0.0103 -0.28792 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 2 1 50 -0.27702 WERE JEFFREY YERROY CENTER UNIT 5 1 175 4088 0.0103 -0.28792 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.27702 WERE JEFFREY YERROY CENTER UNIT 5 1 175 4088 0.0103 -0.28792 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.27702 WERE JEFFREY YERROY CENTER UNIT 5 1 175 4088 0.0103 -0.28792 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.27702 WERE JEFFREY YERROY CENTER UNIT 5 1 175 4088 0.0103 -0.28792 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998 WERE JEFFREY YERROY CENTER UNIT 5 1 470 0.01664 -0.28662 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998 WERE JEFFREY YERROY CENTER UNIT 3 1 470 0.01664 -0.28662 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998 WERE JEFFREY YERROY CENTER UNIT 3 1 470 0.01664 -0.28662 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998 WERE JEFFREY YERROY CENTER UNIT 3 1 1 470 0.01664 -0.28662 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 5 1 -0.27702 WERE JEFFREY YERROY CENTER UNIT 3 1 1 470 0.01664 -0.28662 5 WERE BPU-CITY OF MCPHERSON GAS TURBINE 1 1 5 1 -0.27702 WERE JEFFREY YERROY CENTER UNIT 2 1 5 5 0.00004 -0.27703 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 5 0 -0.27702 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 5 0 -0.27702 WERE BPU-CITY OF MCPHERSON GAS TURBINE 3 1 5 0 -0.27702 WERE BPU-CITY OF MCPHERSON GAS TUR	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5.	2 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29366	56
WERE BPJ - CITY OF MCPHERSON GAS TURBINE 3   50 - 0.2770/WERE   EFFREY ENERGY CENTER UNIT 3   1   470   0.01664 - 0.29366   59   WERE BPJ - CITY OF MCPHERSON STEAM PLANT   27 - 0.2770/WERE   EFFREY ENERGY CENTER UNIT 2   1   470   0.01664 - 0.29366   59   WERE BPJ - CITY OF MCPHERSON STEAM PLANT   27 - 0.2770/WERE   EFFREY ENERGY CENTER UNIT 2   1   470   0.01664 - 0.29366   59   WERE BPJ - CITY OF MCPHERSON STEAM PLANT   27 - 0.2770/WERE   EFFREY ENERGY CENTER UNIT 3   1   470   0.01664 - 0.29366   59   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 1   51   0.2770/WERE   LAWRENCE ENERGY CENTER UNIT 5   1   175.4808   0.0103   0.28732   55   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 2   1   50   0.2770/WERE   LAWRENCE ENERGY CENTER UNIT 5   1   175.4808   0.0103   0.28732   55   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 3   1   75   0.2898/WERE   EFFREY ENERGY CENTER UNIT 5   1   175.4808   0.0103   0.28732   55   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.2898/WERE   EFFREY ENERGY CENTER UNIT 5   1   175.4808   0.0103   0.28732   55   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.2898/WERE   EFFREY ENERGY CENTER UNIT 5   1   470   0.01664   0.28862   55   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.2898/WERE   EFFREY ENERGY CENTER UNIT 5   1   470   0.01664   0.28862   55   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.2898/WERE   EFFREY ENERGY CENTER UNIT 5   1   470   0.01664   0.28862   55   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 4   1   79   0.2898/WERE   EFFREY ENERGY CENTER UNIT 5   1   470   0.01664   0.28862   55   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 1   51   0.2770/WERE   CANADITIC GENERATION SUB   14   20.589   0.00137   0.27389   59   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 1   51   0.2770/WERE   CANADITIC GENERATION SUB   14   20.589   0.00137   0.27389   59   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 1   51   0.2770/WERE   CANADITIC GENERATION SUB   14   20.589   0.00137   0.27389   59   WERE BPJ - CITY OF MCPHERSON GAS TURBINE 3   50   0.2770/WERE   CA	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	5	0 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29299	56
WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27 -0.2770/WERE JEFFREY ENREGY CENTER UNIT 1 470 0.01694 -0.29306 5 9 WERE BPU_CITY OF MCPHERSON STEAM PLANT 1 27 -0.2770/WERE JEFFREY ENREGY CENTER UNIT 2 1 470 0.01664 -0.29306 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.2770/WERE JEFFREY ENREGY CENTER UNIT 3 1 470 0.01664 -0.29306 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.2770/WERE LAWRENCE BENEGY CENTER UNIT 5 1 175.4808 0.0103 -0.29732 5 8 WERE BPU_CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.2770/WERE LAWRENCE BENEGY CENTER UNIT 5 1 175.4808 0.0103 -0.29732 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.2770/WERE LAWRENCE BENEGY CENTER UNIT 5 1 175.4808 0.0103 -0.29732 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE JEFFREY ENREGY CENTER UNIT 5 1 175.4808 0.0103 -0.29732 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE JEFFREY ENREGY CENTER UNIT 5 1 470 0.01664 -0.28662 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE JEFFREY ENREGY CENTER UNIT 1 470 0.01664 -0.28662 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE JEFFREY ENREGY CENTER UNIT 3 1 470 0.01664 -0.28662 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.2770/WERE LAWRENCE BENEGY CENTER UNIT 3 1 470 0.01664 -0.28662 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 27 -0.2770/WERE LAWRENCE BENEGY CENTER UNIT 3 1 470 0.01664 -0.28662 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.2770/WERE LAWRENCE BENEGY CENTER UNIT 3 1 470 0.01664 -0.28662 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.2770/WERE CHANCIES CHERGY CENTER UNIT 3 1 470 0.01664 -0.28662 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.2770/WERE CHANCIES CHERGY CENTER UNIT 3 1 470 0.01664 -0.28662 5 9 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.2770/WERE CHANCIES CHERGY CENTER UNIT 3 1 5 5 0.00034 -0.2773 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.2770/WERE CHANCIES CHERGY CENTER UNIT 3 1 5 5 0.00034 -0.2773 WERE BPU_CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.2770/WERE CHANCIES CHERGY CENT	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	5	0 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 - 0.2770/WERE JEFFREY ENREGY CENTER UNIT 2 1 470 0.01664 - 0.23366 5 9 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 - 0.2770/WERE JEFFREY ENREGY CENTER UNIT 3 1 470 0.01664 - 0.23366 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 5.1 - 0.2770/WERE LAWRENCE ENREGY CENTER UNIT 5 1 175.4808 0.0103 - 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5.0 - 0.2770/WERE LAWRENCE ENREGY CENTER UNIT 5 1 175.4808 0.0103 - 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5.0 - 0.2770/WERE LAWRENCE ENREGY CENTER UNIT 5 1 175.4808 0.0103 - 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.25998/WERE LAWRENCE ENREGY CENTER UNIT 5 1 175.4808 0.0103 - 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.25998/WERE LAWRENCE ENREGY CENTER UNIT 5 1 175.4808 0.0103 - 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.25998/WERE LAWRENCE ENREGY CENTER UNIT 1 1 470 0.01664 - 0.28662 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.25998/WERE JEFFREY ENREGY CENTER UNIT 2 1 470 0.01664 - 0.28662 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.25998/WERE LAWRENCE ENREGY CENTER UNIT 2 1 470 0.01664 - 0.28662 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.25998/WERE LAWRENCE ENREGY CENTER UNIT 2 1 470 0.01664 - 0.28662 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 5 1 - 0.27702/WERE LAWRENCE ENREGY CENTER UNIT 2 1 470 0.01664 - 0.28662 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 5 1 - 0.27702/WERE CHANTURE GENERATION SUB 1 4 20.559 0.00137 - 0.27739 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 5 1 - 0.27702/WERE CHANTURE GENERATION SUB 1 4 20.559 0.00137 - 0.27739 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5 0 - 0.27702/WERE CHANTURE GENERATION SUB 1 4 20.559 0.00137 - 0.27739 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5 0 - 0.27702/WERE CHANTURE GENERATION SUB 1 4 20.559 0.00137 - 0.27739 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5 0 - 0.27702/WERE CHANTURE GENERATION SUB 1 4 20.559	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	5	0 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29366	56
WERE BPU - CITY OF MCPHERSON AS TURBINE 1 1 51 - 927702/WERE LAWRENCE ENERGY CENTER UNIT 3 1 175.400 0.0164 0.29386 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 927702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.400 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 927702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.400 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 55 - 9.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.400 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 9.26998/WERE LAWRENCE ENERGY CENTER UNIT 1 1 470 0.01691 0.28895 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 9.26998/WERE LEFFREY ENERGY CENTER UNIT 2 1 470 0.01694 0.28802 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 9.26998/WERE LEFFREY ENERGY CENTER UNIT 3 1 470 0.01694 0.28802 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 9.26998/WERE LEFFREY ENERGY CENTER UNIT 3 1 470 0.01694 0.28802 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 9.27702/WERE LAWRENCE ENERGY CENTER UNIT 3 1 175.400 0.0103 0.28732 5 MERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 9.27702/WERE CHANDER CENERGY CENTER UNIT 3 1 1 470 0.01694 0.28802 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 9.27702/WERE CHANDER CENERGY CENTER UNIT 5 1 1 55 0.00027 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 5 1 0.27702/WERE CHANDER GENERATION SUB 14 20.589 0.00131 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 5 2 - 9.27702/WERE CHANDER GENERATION SUB 14 20.589 0.00131 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 5 2 - 0.27702/WERE CHANDER GENERATION SUB 14 20.589 0.00131 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5 0 - 0.27702/WERE CHANDER GENERATION SUB 14 20.589 0.00131 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5 0 - 0.27702/WERE CHANDER GENERATION SUB 14 20.589 0.00131 0.27839 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5 0 - 0.27702/WERE CHANDER GENERATION SUB 14 20.589 0.00131 0.27839 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 5 0	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.29299	56
WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.4808 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.4808 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.4808 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE LAWRENCE ENERGY CENTER UNIT 1 1 470 0.01694 0.26860 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE LEFFREY WERGY CENTER UNIT 2 1 470 0.01694 0.26860 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE LEFFREY WERGY CENTER UNIT 3 1 470 0.01694 0.26860 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 57 -0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.4808 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.4808 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.4808 0.0103 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 -0.27702/WERE LAWRENCE ENERGY CENTER UNIT 2 1 5 5 0.00024 0.27726 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 2 1 5 5 0.00024 0.27726 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 55 0.00024 0.27702/WERE LAWNS ENERGY CENTER UNIT 2 1 5 5 0.00024 0.27726 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 -0.27702/WERE LAWNS ENERGY CENTER UNIT 2 1 5 5 0.00024 0.27726 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.27702/WERE LAWNS ENERGY CENTER UNIT 2 1 5 5 0.00024 0.27726 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.27702/WERE LAWNS ENERGY CENTER UNIT 2 1 5 5 0.00024 0.27726 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 -0.27702/WERE LAWNS ENERGY CENTER UNIT 2 1 5 5 0.00024 0.27726 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 -0.26998/WERE BPU - CITY OF MCPHERSON GAS	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.29366	56
WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.4808 0.0103 - 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.26998/WERE LAWRENCE ENERGY CENTER UNIT 1 1 470 0.01694 - 0.28695 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.26998/WERE LEFFREY ENERGY CENTER UNIT 2 1 470 0.01694 - 0.28696 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.26998/WERE LEFFREY ENERGY CENTER UNIT 2 1 470 0.01694 - 0.28696 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.26998/WERE LEFFREY ENERGY CENTER UNIT 3 1 470 0.01694 - 0.28696 5 9 WERE BPU - CITY OF MCPHERSON SEND AND THAT I 27 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 175.4808 0.0103 - 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 1 154.4808 0.0103 - 0.28732 5 9 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 1 55 0.00024 - 0.27738 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 51 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 1 1 55 0.00024 - 0.27738 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 2 1 5 5 0.00024 - 0.27738 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 2 1 5 5 0.00024 - 0.27738 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 5 0.00024 - 0.27738 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 1 55 0.00024 - 0.27738 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 1 175.4808 0.0103 - 0.28038 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 5 1 1 175.4808 0.0103 - 0.28038 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28998/WERE LAWRENCE ENERGY CENTER UNIT 5 1 1 175.4808 0.0103 - 0.28038 9 S WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28998/WERE LAWRENCE ENERGY CEN	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.27702	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.29366	56
WERE   SPU - CITY OF MCPHERSON GAS TURBINE 3   1   50 - 0.27702/WERE   LAWRENCE ENERGY CENTER UNIT 1   175.4808   0.0103   0.28732   5	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27702	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28732	2 57
WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 1 1 175.4808 0.0103 - 0.28732 5 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28998/WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.01664 - 0.28662 5 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28998/WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.01664 - 0.28662 5 6 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28998/WERE JEFFREY ENERGY CENTER UNIT 3 1 470 0.01664 - 0.28662 5 6 WERE BPU - CITY OF MCPHERSON STEAM PLANT 1 27 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 3 1 1 470 0.01664 - 0.28672 5 6 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.27702/WERE LAWRENCE ENERGY CENTER UNIT 2 1 1 20.589 0.0103 - 0.28732 5 8 WERE BPU - CITY OF MCPHERSON GAS TURBINE 1 1 51 - 0.27702/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 2 1 52 - 0.27702/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 52 - 0.27702/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 5 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 6 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 6 WERE BPU - CITY OF MCPHERSON GAS TURBINE 3 1 50 - 0.27702/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 6 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28998/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 6 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28998/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 6 WERE BPU - CITY OF MCPHERSON GAS TURBINE 4 1 79 - 0.28998/WERE CHANUTE GENERATION SUB 14 20.589 0.00137 - 0.27839 6 WERE BPU - CITY OF MCPHERSON GAS TURBIN	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.27702	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28732	2 57
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.28998 WERE   BFFREY NERGY CENTER UNIT 2   1   470   0.01664   -0.28662   5	WERE		1	5	0 -0.27702	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28732	
WERE	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	7	9 -0.26998	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.28595	5 57
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	7	9 -0.26998	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.28662	2 57
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	7	9 -0.26998	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.28662	2 57
WERE   BPU - CITY OF MCPHERSON GAS TURBINE   1   51   0.27702 WERE   EVANS ENERGY CENTER UNIT 2   1   55   0.00024   0.27726   59	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.27702	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28732	
MERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.27702   WERE   CHANUTE GENERATION SUB   14   20.589   0.00137   0.27839   5	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27702	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27839	59
MERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.27702   WERE   EVANS ENERGY CENTER UNIT 2   1   55   0.00024   0.27726   55	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	5	1 -0.27702	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27726	5 59
MERE   BPU - CITY OF MCPHERSON GAS TURBINE 2   1   52   0.27702   WERE   EVANS ENERGY CENTER UNIT 2   1   55   0.00024   0.27726   55	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5	2 -0.27702	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27839	59
MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.27702   WERE   EVANS ENERGY CENTER UNIT 2   1   55   0.00024   -0.27726   55	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	5:	2 -0.27702	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27726	
MERE   BPU - CITY OF MCPHERSON GAS TURBINE 3   1   50   -0.27702   WERE   EVANS ENERGY CENTER UNIT 2   1   55   0.00024   -0.27726   55	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	5	0 -0.27702	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27839	59
MERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.27702   WERE   CHANUTE GENERATION SUB   14   20.589   0.00137   0.27839   55	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	5	0 -0.27702	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27726	
WERE   BPU - CITY OF MCPHERSON STEAM PLANT   1   27   -0.27702   WERE   EVANS ENERGY CENTER UNIT 2   1   55   0.00024   -0.27726   55   WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.26988   WERE   CHANUTE GENERATION SUB   14   20.588   0.00137   -0.27135   6   6   6   6   6   6   6   6   6	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	7	9 -0.26998	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.28028	59
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.26998   WERE   CHANUTE GENERATION SUB   14   20.589   0.00137   -0.27135   6	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.27702	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27839	59
WERE   BPU - CITY OF MCPHERSON GAS TURBINE 4   1   79   -0.26998   WERE   EVANS ENERGY CENTER UNIT 2   1   55   0.00024   -0.27022   6	WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	2	7 -0.27702	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27726	5 59
WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.21362 WERE         CLAY CENTER JUNCTION         1         9999         0.04637         -0.25999         6           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         52         -0.21362 WERE         CLAY CENTER JUNCTION         1         9999         0.04637         -0.25999         6           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         CLAY CENTER JUNCTION         1         9999         0.04637         -0.25999         6           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         CLAY CENTER JUNCTION         1         9999         0.04637         -0.25999         6           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         CLAY CENTER JUNCTION         1         9999         0.04637         -0.25999         6           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 3         1         51         -0.21362 WERE         CLAY CENTER JUNCTION         1         9999         0.04637         -0.25999         6           WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.21362 WERE <t< td=""><td>WERE</td><td>BPU - CITY OF MCPHERSON GAS TURBINE 4</td><td>1</td><td>7</td><td>9 -0.26998</td><td>WERE</td><td>CHANUTE GENERATION SUB</td><td>14</td><td>20.589</td><td>0.00137</td><td>-0.27135</td><td>61</td></t<>	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	7	9 -0.26998	WERE	CHANUTE GENERATION SUB	14	20.589	0.00137	-0.27135	61
WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 1   1   52   -0.21362   WERE   CLAY CENTER JUNCTION   1   9999   0.04637   -0.25999   6	WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	7:	9 -0.26998	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.27022	2 61
WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 2   1   50   -0.21362   WERE   CLAY CENTER JUNCTION   1   9999   0.04637   -0.25999   6	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	7	8 -0.21362	WERE .	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25999	63
WERE   HUTCHINSON ENERGY CENTER GAS TURBINE 3   1   52   -0.21362   WERE   CLAY CENTER JUNCTION   1   9999   0.04637   -0.25999   6	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	5.	2 -0.21362	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25999	63
WERE   HUTCHINSON ENERGY CENTER UNIT 3   1   31   -0.21341   WERE   CLAY CENTER JUNCTION   1   9999   0.04637   -0.25978   6	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	5	0 -0.21362	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25999	63
WERE   HUTCHINSON ENERGY CENTER UNIT 4   1   151   -0.21376   WERE   CLAY CENTER JUNICTION   1   9999   0.04637   -0.26013   6	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	5.	2 -0.21362	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25999	63
WERE	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	3	1 -0.21341	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.25978	63
WERE         HUTCHINSON ENERGY CENTER GAS TRUBINE 4         1         78         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52	WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	15	1 -0.21376	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.26013	63
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.213	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	7	8 -0.21362	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23026	71
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 1         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7	WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	7	8 -0.21362	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23026	71
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	5	2 -0.21362	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23026	71
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 2         1         50         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	5	2 -0.21362	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23026	71
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 2         1         470         0.01664         -0.23026         7           WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	5	0 -0.21362	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23026	71
WERE         HUTCHINSON ENERGY CENTER GAS TURBINE 3         1         52         -0.21362 WERE         JEFFREY ENERGY CENTER UNIT 3         1         470         0.01664         -0.23026         7	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	5	0 -0.21362	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23026	71
	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	5	2 -0.21362	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23026	71
WERE HUTCHINSON ENERGY CENTER UNIT 3 1 31 -0.21341 WERE JEFFREY ENERGY CENTER UNIT 2 1 470 0.01664 -0.23005 7	WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	5.	2 -0.21362	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23026	71
	WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	3	1 -0.21341	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.23005	71

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.23005	71
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22973	71
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.2304	71
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.2304	71
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22959	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22959	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22959	72
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22959	72
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.22938	72
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21362	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22392	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22392	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22392	73
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22392	73
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22371	73
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	175.4808	0.0103	-0.22406	73
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21362	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21386	77
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52	-0.21362	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21386	77
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50	-0.21362	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21386	77
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	1	52	-0.21362	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21386	77
WERE	HUTCHINSON ENERGY CENTER UNIT 3	1	31	-0.21341	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.21365	77
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151	-0.21376	WERE	EVANS ENERGY CENTER UNIT 2	1	55	0.00024	-0.214	77
WERE	EVANS ENERGY CENTER GAS TURBINE 3	1	154	0.00023	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.04614	356
WERE	EVANS ENERGY CENTER GAS TURBINE 4	1	154	0.00023	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.04614	356
WERE	EVANS ENERGY CENTER UNIT 1	1	151	0.00024	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.04613	356
WERE	EVANS ENERGY CENTER UNIT 2	1	273	0.00024	WERE	CLAY CENTER JUNCTION	1	9999	0.04637	-0.04613	356

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Wichita - Reno Co 345KV Limiting Facility: NORTH AMERICAN PHILI

Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2

Direction: From->To

Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 57374574382568725687313211WP

Date Redispatch Needed: 12/1/2011 - 4/1/2012

			Aggregate Relief
Reservation	Relief Amount		Amount
1032991		0.3	37.7
1032991		0.4	37.7
1032992		1.0	37.7
1032992		1.3	37.7
1034311		5.0	37.7
1034363		2.8	37.7
1034407		3.0	37.7
1034420		1.5	37.7
1034424		2.5	37.7
1034589		1.1	37.7
1034590		2.7	37.7
1034595		5.4	37.7
1034625		4.9	37.7
1034628		1.1	37.7
1036932		2.4	37.7
1040115		2.5	37.7

1040	J115 Z.:	31.1		1	Cink		-	Massinassna	1	1	Dadianatal
			Maximum		Sink			Maximum	,		Redispatch
Course Control Area	Course	Cauraa Id	Increment MW)	GSF	Control	Cink	Sink Id	Decrement MW)	GSF	Fastar	Amount (MW)
Source Control Area	Source BPU - CITY OF MCPHERSON GAS TURBINE 1	Source Id	51		Area	Sink CLAY CENTER JUNCTION	SITIK IU	9999		-0.32335	
VERE VERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	52			CLAY CENTER JUNCTION  CLAY CENTER JUNCTION	1	9999		-0.32335	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			CLAY CENTER JUNCTION	1	9999		-0.32335	
	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	79			CLAY CENTER JUNCTION  CLAY CENTER JUNCTION	1	9999		-0.32335	1 1
WERE		1					1	470			
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 2	1			-0.29361	1 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.29361	1 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.29361	1 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.29361	1 1:
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.29361	1 1:
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.29361	1 12
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.29294	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.29294	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.29294	
NERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			LAWRENCE ENERGY CENTER UNIT 5	1	173.245	0.01028	-0.28725	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51			TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01191	-0.28888	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.27697	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.245	0.01028	-0.28725	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01191	-0.28888	3 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.245	0.01028	-0.28725	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.27697	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01191	-0.28888	3 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01597	-0.2859	1:
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01664	-0.28657	7 1:
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01664	-0.28657	7 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01191	-0.28184	1 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.26993	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	173.245	0.01028	-0.28021	1 1:
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.27697	WERE	EVANS ENERGY CENTER UNIT 2	1	102.320	0.00026	-0.27723	3 1
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52			EVANS ENERGY CENTER UNIT 2	1	102.320	0.00026	-0.27723	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50			EVANS ENERGY CENTER UNIT 2	1	102.320	0.00026	-0.27723	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			EVANS ENERGY CENTER UNIT 2	1	102.320	0.00026	-0.27019	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78	-0.21355	WERE	CLAY CENTER JUNCTION	1	9999	0.04638	-0.25993	3 1-
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1	1	52			CLAY CENTER JUNCTION	1	9999		-0.25993	3 1
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2	1	50			CLAY CENTER JUNCTION	1	9999		-0.25993	
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3	i	52			CLAY CENTER JUNCTION	<u> </u>	9999		-0.25993	
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151			CLAY CENTER JUNCTION	1	9999		-0.26008	
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.22952	2 1
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.23019	9 1
VERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.23019	
VERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151			JEFFREY ENERGY CENTER UNIT 1	1	470		-0.22967	
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151			JEFFREY ENERGY CENTER UNIT 2	1	470		-0.23034	
WERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151			JEFFREY ENERGY CENTER UNIT 3	1	470		-0.23034	1 1
	HUTCHINSON ENERGY CENTER ONLY 4  HUTCHINSON ENERGY CENTER GAS TRUBINE 4	1	78			LAWRENCE ENERGY CENTER UNIT 5	1	173.2455		-0.23034	3 1
WERE		1					1				
VERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151 78			LAWRENCE ENERGY CENTER UNIT 5	1	173.2455	0.01028	-0.22398 -0.21381	1 1
VERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4	!				EVANS ENERGY CENTER UNIT 2	1				
VERE	HUTCHINSON ENERGY CENTER UNIT 4	1	151			EVANS ENERGY CENTER UNIT 2	1	102.3201	0.00026	-0.21396	3 1

Maximum Decrement and Maximum Increment were determine from the Souce and Sink Operating Points in the study models where limiting facility was identified.

Factor = Source GSF - Sink GSF

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Upgrade: Limiting Facility:

Wichita - Reno Co 345KV NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 2

Direction:

From->To EAST MCPHERSON - SUMMIT 230KV CKT 1 57374574382568725687314206WP 12/1/06 - 4/1/07 Line Outage:

Flowgate:
Date Redispatch Needed:

Date Neuispaton Needed.	12/1/00 - 4/1/01		
			Aggregate Relief
Reservation	Relief Amount		Amount
103431	1	5.1	24.3
103436	3	2.7	24.3
103440	7	3.2	24.3
103442	0	1.6	24.3
103442	4	2.9	24.3
103458	9	1.1	24.3
103459	0	2.7	24.3
103462	8	1.1	24.3
103693	2	2.0	24.3
104011	5	2.1	24.3

1040	115	1 24.3	3								
			Maximum		Sink			Maximum			Redispatch
			Increment		Control			Decrement			Amount
Source Control Area	Source	Source Id	MW)	GSF	Area	Sink	Sink Id	MW)	GSF	Factor	(MW)
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.30442	2 80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563		JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.30518	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.30442	2 80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.30442	2 80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.30442	2 80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28563	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.30518	80
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29966	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29966	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29966	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.29873	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.29873	81
WERE	BPU - CITY OF MCPHERSON STEAM PLANT	1	27	-0.28563	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29966	81
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.29781	1 82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.29781	1 82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.29781	1 82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.29797	7 82
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.29321	1 83
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79	-0.27918	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.29136	84
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 1	1	51	-0.28563	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.28605	5 85
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 2	1	52	-0.28563		EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.28605	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 3	1	50	-0.28563	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.28605	
WERE	BPU - CITY OF MCPHERSON GAS TURBINE 4	1	79			EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.2796	

Table 5 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.22621		JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.245	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.245	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.245	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.22621		JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.245	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.22621	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24576	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151	-0.22634	WERE	JEFFREY ENERGY CENTER UNIT 1	1	470	0.01879	-0.24513	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151	-0.22634	WERE	JEFFREY ENERGY CENTER UNIT 2	1	470	0.01955	-0.24589	99
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151	-0.22634	WERE	JEFFREY ENERGY CENTER UNIT 3	1	470	0.01955	-0.24589	99
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.22621	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24024	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.22621	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24024	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.22621	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24024	101
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.22621	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24024	101
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151	-0.22634	WERE	TECUMSEH ENERGY CENTER UNIT 8	1	48	0.01403	-0.24037	101
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.22621		LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23839	102
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.22621	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23839	102
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.22621	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23839	102
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.22621	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23839	102
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151	-0.22634	WERE	LAWRENCE ENERGY CENTER UNIT 5	1	190.8805	0.01218	-0.23852	102
WERE	HUTCHINSON ENERGY CENTER GAS TRUBINE 4 1	78	-0.22621		EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22663	107
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 1 1	52	-0.22621	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22663	107
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 2 1	50	-0.22621	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22663	107
WERE	HUTCHINSON ENERGY CENTER GAS TURBINE 3 1	52	-0.22621	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22663	107
WERE	HUTCHINSON ENERGY CENTER UNIT 4 1	151	-0.22634	WERE	EVANS ENERGY CENTER UNIT 2	1	87.8765	0.00042	-0.22676	107